

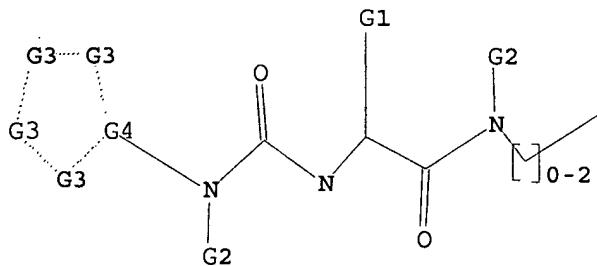
EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	752	546/112	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:46
L4	11	I3 and thromboembolic	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:47
L5	850	546/114	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:47
L7	19	I5 and thromboembolic	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:49
L9	1430	546/194	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:54
L11	108	I9 and (thrombin or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:01
L12	448	546/223	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:01
L13	16	I12 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:03
L14	117	548/122	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:03
L15	6	I14 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:04
L16	3	548/123 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:04

EAST Search History

L17	0	548/126 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L18	7	548/427 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L19	4	548/429 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L20	26	548/517 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08
L21	12	548/527 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08
L22	13	548/530 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08

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G1 H, Cy, Hy, Ak

G2 H, Me

G3 C, O, S, N.

G4 C, N

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 17:58:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1928 TO ITERATE

100.0% PROCESSED 1928 ITERATIONS
SEARCH TIME: 00.00.01

13 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 35927 TO 41193

PROJECTED ANSWERS: 44 TO 476

L2 13 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 17:58:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 38330 TO ITERATE

100.0% PROCESSED 38330 ITERATIONS
SEARCH TIME: 00.00.03

215 ANSWERS

L3 215 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
167.38	167.59

FILE 'CAPLUS' ENTERED AT 17:58:47 ON 12 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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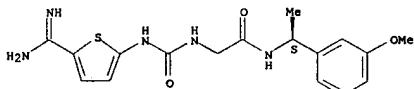
L4 ANSWER 1 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:884851 CAPLUS
 DOCUMENT NUMBER: 145:299237
 TITLE: Amidino heteroaryl compounds for stabilizing factor VII polypeptide formulations
 INVENTOR(S): Petersen, Anders Klarskov; Bowler, Andrew Neil
 PATENT ASSIGNEE(S): Novo Nordisk Health Care AG, Switz.
 SOURCE: PCT Int. Appl., 42pp.
 CODEN: PIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006089953	A1	200608931	WO 2006-EP60270	20060224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:	DK 2005-285	A 20050224		

OTHER SOURCE(S): MARPAT 145:299237

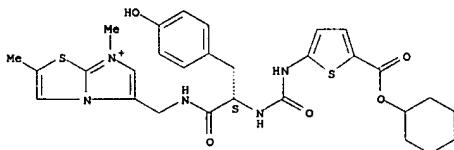
IT 908280-16-0 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (amidino-compds. for stabilizing factor VII polypeptide formulations)
 RN 908280-16-0 CAPLUS
 CN Acetamide, 2-[[[(5-(aminoiminomethyl)-2-thienylamino)carbonyl]amino]-N-[(1S)-1-(3-methoxyphenyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 14477-72-6
 CMF C2 F3 O2

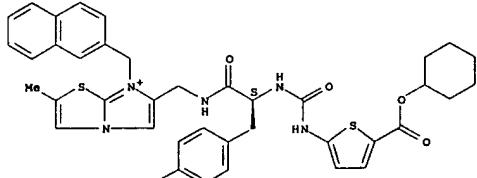


RN 891844-72-7 CAPLUS
 CN Imidazo[2,1-b]thiazolium, 6-{{(2S)-2-{{(5-(cyclohexyloxy)carbonyl)-2-thienyl}amino}carbonyl}amino}-3-(4-hydroxyphenyl)-1-oxopropyl]amino)methyl}-2-methyl-7-(2-naphthalenylmethyl)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-71-6
 CMF C39 H40 N3 O5 S2

Absolute stereochemistry.



CM 2

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L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:608671 CAPLUS
 DOCUMENT NUMBER: 145:83655
 TITLE: Preparation of fused heteroaromatic quaternary ammonium salt amino acid derivatives as novel muscarinic acetylcholine receptor antagonists
 INVENTOR(S): Busch-Petersen, Jakob; Davis, Roderick S.; Fu, Wei; Jin, Jian; Leine, Dramane I.; Palovich, Michael R.
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 33 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006065755	A2	20060622	WO 2005-US44951	20051213
WO 2006065755	A3	20061012		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:	DK 2005-285	A 20050224		

PRIORITY APPLN. INFO.: US 2004-635664P P 20041213

OTHER SOURCE(S): MARPAT 145:83655

IT 891844-68-1P 891844-72-7P 891844-76-1P
 891844-86-3P 891845-22-0P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of fused heteroaromatic quaternary ammonium salt amino acid derivs. as muscarinic acetylcholine receptor antagonists)
 RN 891844-68-1 CAPLUS
 CN Imidazo[2,1-b]thiazolium, 5-{{(2S)-2-{{(5-[(cyclohexyloxy)carbonyl]-2-thienyl)amino}carbonyl}amino}-3-(4-hydroxyphenyl)-1-oxopropyl]amino)methyl}-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-67-0
 CMF C29 H34 N5 O5 S2

Absolute stereochemistry.

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 14477-72-6
 CMF C2 F3 O2

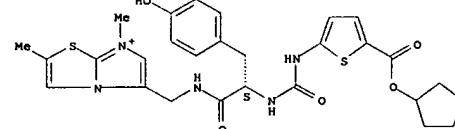


RN 891844-76-1 CAPLUS
 CN Imidazo[2,1-b]thiazolium, 5-{{(2S)-2-{{(5-[(cyclohexyloxy)carbonyl]-2-thienyl)amino}carbonyl}amino}-3-(4-hydroxyphenyl)-1-oxopropyl]amino)methyl}-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-75-0
 CMF C28 H32 N5 O5 S2

Absolute stereochemistry.



CM 2

CRN 14477-72-6
 CMF C2 F3 O2



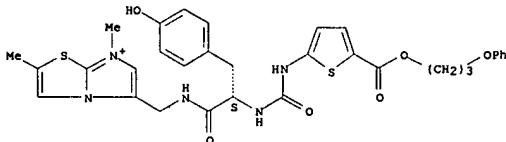
RN 891844-86-3 CAPLUS
 CN Imidazo[2,1-b]thiazolium, 5-{{(2S)-3-(4-hydroxyphenyl)-1-oxo-2-{{(5-[(3-phenoxy)propoxy)carbonyl]-2-thienyl}amino}carbonyl}amino}propyl]amino)methyl}-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

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L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 891844-85-2
CMF C32 H34 N5 O6 S2

Absolute stereochemistry.



CM 2
CRN 14477-72-6
CMF C2 F3 O2

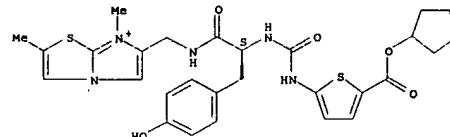


RN 891845-22-0 CAPLUS
CN Imidazo[2,1-b]thiazolium, 6-[[[(2S)-2-[[[5-((cyclopentyloxy)carbonyl)-2-thienyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]methyl-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1
CRN 891845-21-9
CMF C28 H32 N5 O5 S2

Absolute stereochemistry.

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

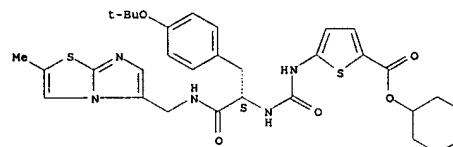


CM 2
CRN 14477-72-6
CMF C2 F3 O2



IT 891845-34-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fused heteroarom. quaternary ammonium salt amino acid derivs. as muscarinic acetylcholine receptor antagonists)
RN 891845-34-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[(1S)-1-[(4-(1,1-dimethylethoxy)phenyl)methyl]-2-[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl]amino-, cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 3 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:605213 CAPLUS

DOCUMENT NUMBER: 145:76661

TITLE: Muscarinic acetylcholine receptor antagonists useful in the treatment of asthma, pulmonary diseases and other diseases of respiratory tract

INVENTOR(S): Busch-Petersen, Jakob; Davis, Roderick S.; Fu, Wei; Jin, Jian; Laine, Dramane I.; Palovich, Michael R.

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006065788	A2	20060622	WO 2005-US45012	20051213
WO 2006065788	A3	20060817		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LV, LY, MA, MD, MG, MK, MN, MM, MX, MZ, NP, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

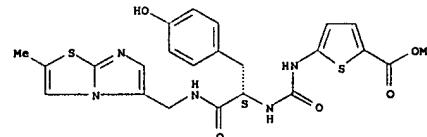
PRIORITY APPLN. INFO.: US 2004-635703P P 20041213

OTHER SOURCE(S): MARPAT 145:76661

IT 892397-41-0P 892397-42-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(muscarinic acetylcholine receptor antagonists useful in treatment of respiratory tract diseases)

RN 892397-41-0 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[(1S)-1-[(4-hydroxyphenyl)methyl]-2-[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl]amino-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



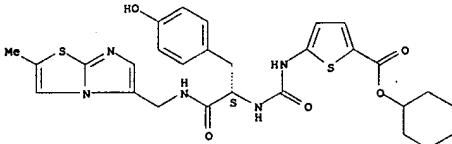
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L4 ANSWER 3 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 892397-42-1 CAPLUS
 CN 2-Thiophene carboxylic acid, 5-[[[(1S)-1-[(4-hydroxyphenyl)methyl]-2-[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



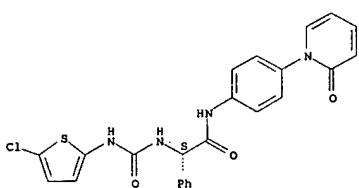
L4 ANSWER 4 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:558817 CAPLUS
 DOCUMENT NUMBER: 145:63142
 TITLE: Preparation of amino acid urea derivatives as factor Xa inhibitors
 INVENTOR(S): Song, Yongheng; Zhu, Bing-Yan; Wang, Shumei; Bhakta, Chhaya; Scarborough, Robert M.
 PATENT ASSIGNEE(S): Portola Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 186 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006063113	A2	20060615	WO 2005-US44388	20051207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
US 2006160821	A1	20060720	US 2005-298317	20051207
			US 2004-634201P	P 20041207

PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 145:63142
 IT 891789-69-8P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of amino acid urea derivs. as factor Xa inhibitors)
 RN 891789-69-8 CAPLUS
 CN Benzeneacetamide, α -{[(5-chloro-2-thienyl)amino]carbonyl}amino-N-[4-(2-oxo-1(2H)-pyridinyl)phenyl]-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 4 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 5 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:54368 CAPLUS
 DOCUMENT NUMBER: 144:150635
 TITLE: Preparation of amino acid amide derivatives as inhibitors of histone deacetylase
 INVENTOR(S): Chakravarty, Prasun K.; Colletti, Steven L.; Ingenito, Raffaele; Jones, Philip; Meinke, Peter T.; Muraglia, Ester; Petrocchi, Alessia; Rowley, Michael; Scarpellini, Rita; Steinkuhler, Christian
 PATENT ASSIGNEE(S): Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Italy; Merck & Co. Inc.
 SOURCE: PCT Int. Appl., 161 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005941	A1	20060119	WO 2005-GB2729	20050711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
PRIORITY APPLN. INFO.: US 2004-587177P			P 20040712	
			US 2004-610707P	P 20040917

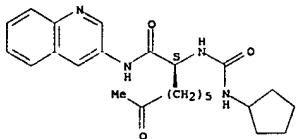
OTHER SOURCE(S): MARPAT 144:150635
 IT 874157-09-2P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of amino acid amide derivs. as inhibitors of histone deacetylase)
 RN 874157-09-2 CAPLUS
 CN Nonanamide, 2-[(cyclopentylamino)carbonyl]amino]-8-oxo-N-3-quinolinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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L4 ANSWER 5 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 6 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1215566 CAPLUS

DOCUMENT NUMBER: 144:100355

TITLE: Matrix Metalloproteinase Target Family Landscape: A Chemometrical Approach to Ligand Selectivity Based on Protein Binding Site Analysis

AUTHOR(S): Pirard, Bernard; Matter, Hans
CORPORATE SOURCE: Science and Medical Affairs, Chemical Sciences, Drug Design, Aventis Pharma Deutschland GmbH, a Company of the Sanofi-Aventis Group, Frankfurt am Main, D-65926, Germany

SOURCE: Journal of Medicinal Chemistry (2006), 49(1), 51-69

PUBLISHER: CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: American Chemical Society

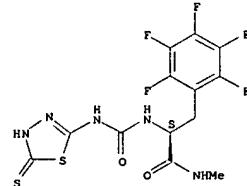
LANGUAGE: English

IT 198701-34-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(MMP target family: chemometrical approach to ligand selectivity based on protein binding site anal.)

RN 198701-34-7 CAPLUS

CN Benzenepropanamide, u-[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 120 THERE ARE 120 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:540457 CAPLUS

DOCUMENT NUMBER: 143:78479

TITLE: Preparation of amino acid derivatives as novel M3 muscarinic acetylcholine receptor antagonists

INVENTOR(S): Busch-Petersen, Jakob; Jin, Jian; Moore, Michael Lee; Rivero, Ralph A.; Shi, Dongchuan; Wang, Feng; Wang, Yanguhai

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl. . 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005055940	A2	20050623	WO 2004-US40667	20041203
WO 2005055940	A3	20050915		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EG, EE, EG, ES, FI, GB, GD, GE, GH, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MO, MO, MD, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SG, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UY, UZ, AC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GR, KE, LS, MD, NA, SD, SI, SZ, TZ, UG, ZN, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CN, GA, GN, GO, GW, HL, MR, NE, SN, TZ, TG				
AU 2004296207	A1	20050623	AU 2004296207	20041203
CA 2549272	AA	20050623	CA 2004-2549272	20041203
EP 1708702	A2	20061011	EP 2004-813055	20041203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
NO 2006002992	A	20060627	NO 2006-2992	20060627
PRIORITY APPLN. INFO.: US 2003-526824P				
				P 20031203
				WO 2004-US40667
				W 20041203

OTHER SOURCE(S): CASREACT 143:78479; MARPAT 143:78479

IT 854750-77-9P 854750-79-1P 854750-81-5P

854750-83-7P 854750-85-9P 854750-87-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as novel M3 muscarinic

acetylcholine

receptor antagonists)

RN 854750-77-9 CAPLUS

CN Piperidinium, 3-[(2S)-3-(4-hydroxyphenyl)-2-[[{5-(methoxycarbonyl)-2-furyl}amino]carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

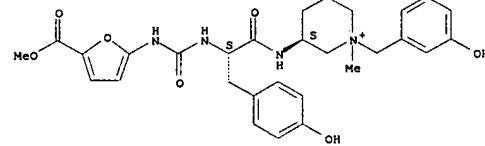
CRN 854750-76-8

Karen Cheng

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CMF C29 H35 N4 O7

Absolute stereochemistry.



CM 2

CRN 14477-72-6

CMF C29 F3 O2



RN 854750-79-1 CAPLUS

CN Piperidinium, 3-[(2S)-2-[[{4-(ethoxycarbonyl)-2-oxazolyl}amino]carbonyl]amino]-3-({4-hydroxyphenyl})-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid

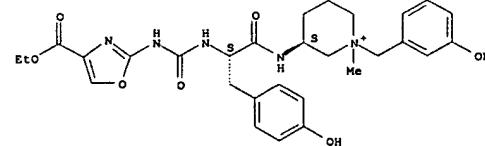
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-78-0

CMF C29 H36 N5 O7

Absolute stereochemistry.



10530876b

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2
CRN 14477-72-6
CMF C2 F3 O2

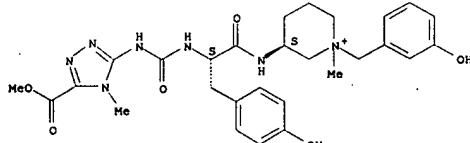


RN 854750-81-5 CAPLUS
CN Piperidinium, 3-[(2S)-3-(4-hydroxyphenyl)-2-[[{[5-(methoxycarbonyl)-4-methyl-1H-1,2,4-triazol-3-yl]amino}carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-80-4
CMF C28 H36 N5 O6 S

Absolute stereochemistry.



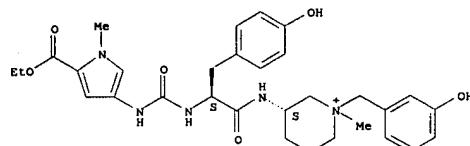
CM 2

CRN 14477-72-6
CMF C2 F3 O2



RN 854750-83-7 CAPLUS

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 14477-72-6
CMF C2 F3 O2

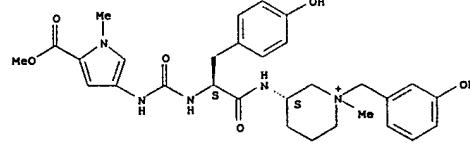


RN 854750-87-1 CAPLUS
CN Piperidinium, 3-[(2S)-3-(4-hydroxyphenyl)-2-[[{[5-(methoxycarbonyl)-1-methyl-1H-pyrrrol-3-yl]amino}carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-86-0
CMF C30 H38 N5 O6

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

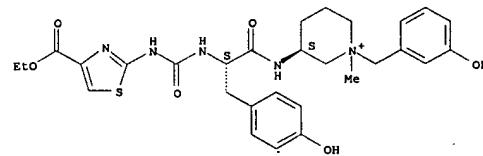
Karen Cheng

14 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Piperidinium, 3-[(2S)-2-[[{[4-(ethoxycarbonyl)-2-thiazolyl]amino}carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-82-6
CMF C29 H36 N5 O6 S

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2



RN 854750-85-9 CAPLUS
CN Piperidinium, 3-[(2S)-2-[[{[5-(ethoxycarbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-84-8
CMF C31 H40 N5 O6

Absolute stereochemistry.

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

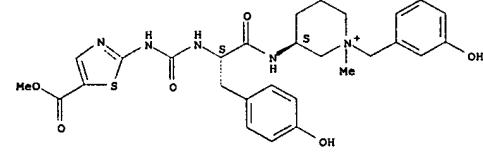


RN 854750-89-3 CAPLUS
CN Piperidinium, 3-[(2S)-3-(4-hydroxyphenyl)-2-[[{[5-(methoxycarbonyl)-2-thiazolyl]amino}carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-88-2
CMF C28 H34 N5 O6 S

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2



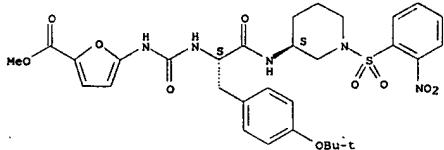
IT 854750-94-0, resin-bound 854750-95-1DP, resin-bound 854750-96-2DP, resin-bound
RL: RCT (Reactant); SPA (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of amino acid derivs. as novel M3 muscarinic acetylcholine receptor antagonists)

RN 854750-94-0 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[1S]-1-[[4-(1,1-dimethylethoxy)phenyl]methyl]-2-[(3S)-1-((2-nitrophenyl)sulfonyl)-3-

10530876b

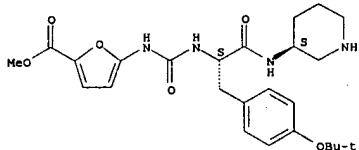
L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Piperidinyl]amino)-2-oxoethyl]amino]carbonyl]amino]-, methyl ester (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



RN 854750-95-1 CAPLUS
CN 2-Furancarboxylic acid, 5-{{({(1S)-1-[(4-(1,1-dimethylethoxy)phenyl)methyl]-2-oxo-2-[(3S)-3-piperidinylamino]ethyl]amino}carbonyl)amino}-, methyl ester (9CI) (CA INDEX NAME)

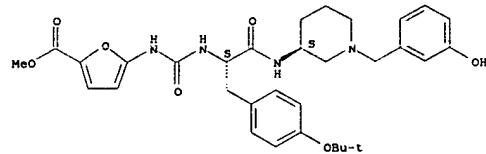
Absolute stereochemistry.



RN 854750-96-2 CAPLUS
CN 2-Furancarboxylic acid, 5-{{({(1S)-1-[(4-(1,1-dimethylethoxy)phenyl)methyl]-2-[(3-hydroxyphenyl)methyl]-3-piperidinylamino}-2-oxoethyl]amino}carbonyl)amino}-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005-219786 CAPLUS
DOCUMENT NUMBER: 142-298100
TITLE: Preparation of phenylthiazolylureas as inhibitors of phosphatidylinositol 3-kinase
INVENTOR(S): Bloxfield, Graham Charles; Bruce, Ian; Hayler, Judy; Fox, Leblanc, Catherine; Le Grand, Darren Mark; McCarthy, Clive
PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 08 pp.
CODEN: PIXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

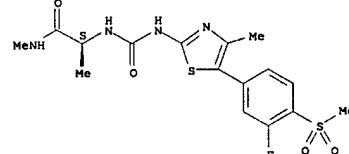
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005021519	A2	20050310	WO 2004-EP9586	20040827
WO 2005021519	A3	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MM, MO, MS, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UP, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, BW, GR, KE, LS, MV, MD, NA, SD, SI, SZ, TZ, UC, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
RU: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, MK, CY, AI, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1838953	A	20060927	CN 2004-80023775	20040827
BR 2004013934	A	20061024	BR 2004-13934	20040827
PRIORITY APPLN. INFO.:			GB 2003-20197	A 20030828
		WO 2004-EP9586		W 20040827

OTHER SOURCE(S): MARPAT 142-298100
IT 847787-88-6P 847787-92-2P 847788-22-1P
847788-36-7P 847789-03-1P 847789-06-4P
847789-07-5P 847789-08-6P 847789-09-7P
847789-10-0P 847789-11-1P 847789-13-3P
847789-15-3P 847789-16-6P
NL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses);
(Preparation of phenylthiazolylureas as inhibitors of phosphatidylinositol 3-kinase)

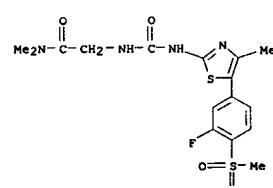
RN 847787-88-6 CAPLUS
CN Propanamide, 2-{{[5-(3-fluoro-4-(methylsulfonyl)phenyl)-4-methyl-2-thiazolyl]amino}carbonyl}amino}-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

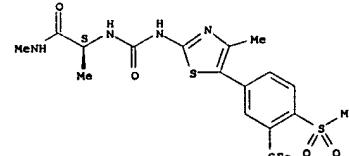


RN 847787-92-2 CAPLUS
CN Acetamide, 2-{{[5-(3-fluoro-4-(methylsulfonyl)phenyl)-4-methyl-2-thiazolyl]amino}carbonyl}amino}-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 847788-22-1 CAPLUS
CN Propanamide, N-methyl-2-{{[4-methyl-5-(4-(methylsulfonyl)-3-(trifluoromethyl)phenyl)-2-thiazolyl]amino}carbonyl}amino}-, (2S)- (9CI) (CA INDEX NAME)

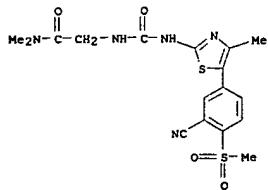
Absolute stereochemistry.



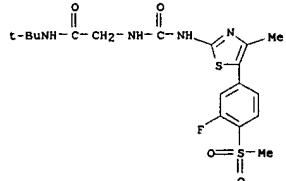
RN 847788-36-7 CAPLUS
CN Acetamide, 2-{{[5-(3-cyano-4-(methylsulfonyl)phenyl)-4-methyl-2-thiazolyl]amino}carbonyl}amino}-N,N-dimethyl- (9CI) (CA INDEX NAME)

Karen Cheng

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

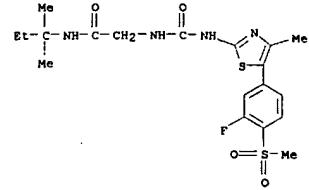


RN 847789-03-1 CAPLUS
 CN Acetamide, N-(1,1-dimethylethyl)-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

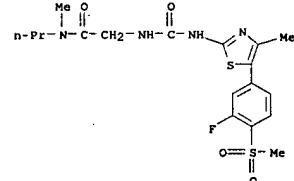


RN 847789-06-4 CAPLUS
 CN Acetamide, N-(1,1-dimethylpropyl)-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

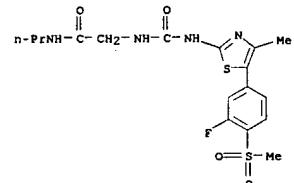
L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 847789-07-5 CAPLUS
 CN Acetamide, 2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-methyl-N-propyl- (9CI) (CA INDEX NAME)

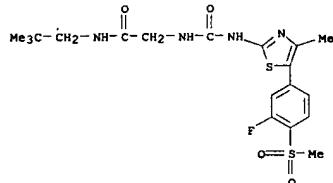


RN 847789-08-6 CAPLUS
 CN Acetamide, 2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-propyl- (9CI) (CA INDEX NAME)

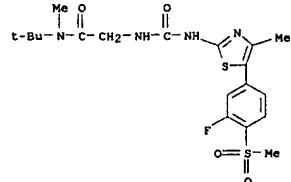


L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 847789-09-7 CAPLUS
 CN Acetamide, N-(2,2-dimethylpropyl)-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

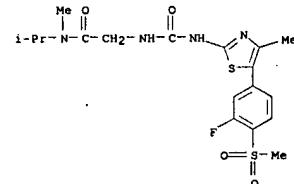


RN 847789-10-0 CAPLUS
 CN Acetamide, N-(1,1-dimethylethyl)-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-methyl- (9CI) (CA INDEX NAME)

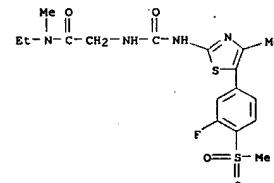


RN 847789-11-1 CAPLUS
 CN Acetamide, 2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-methyl-N-(1-methylethyl)- (9CI) (CA INDEX NAME)

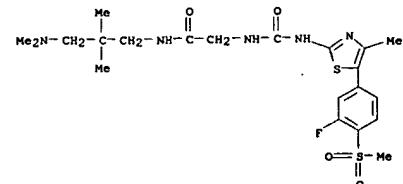
L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 847789-12-3 CAPLUS
 CN Acetamide, N-ethyl-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-methyl- (9CI) (CA INDEX NAME)



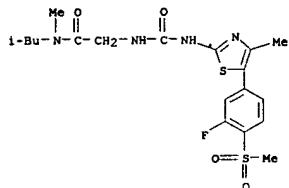
RN 847789-15-5 CAPLUS
 CN Acetamide, N-(3-(dimethylamino)-2,2-dimethylpropyl)-2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)



RN 847789-16-6 CAPLUS

10530876b

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Acetamide, 2-[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N-methyl-N-(2-methylpropyl)- (9CI) (CA INDEX NAME)

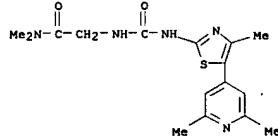


L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
ACCESSION NUMBER: 2004:965245 CAPLUS
DOCUMENT NUMBER: 141:410962
TITLE: Preparation of pyrazinyl/pyridinyl thiazolylamines as inhibitors of phosphatidylinositol 3-kinase
INVENTOR(S): Bruce, Ian; Cuenoud, Bernard; Keller, Thomas Hugo; Pilgrim, Gaynor Elizabeth; Press, Nicola; Le Grand, Darren Mark; Ritchie, Cathy; Valade, Barbara; Hayler, Judy; Budd, Emma
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

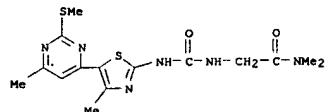
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004096797	A1	20041111	WO 2004-EP4603	20040430
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NA, NI, NO, NQ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004234068	A1	20041111	AU 2004-234068	20040430
CA 2524401	AA	20041111	CA 2004-2524401	20040430
EP 1622897	A1	20060208	EP 2004-730527	20040430
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004010037	A	20060425	BR 2004-10037	20040430
CN 1816549	A	20060809	CN 2004-8001877	20040430
JP 2006525266	T2	20061109	JP 2006-505340	20040430
NO 2005005714	A	20060202	NO 2005-5714	20051202
PRIORITY APPLN. INFO.:			GB 2003-10234	A 20030502
			WO 2004-EP4603	W 20040430

OTHER SOURCE(S): MARPAT 141:410962
IT 790702-34-0P 790704-05-1P 790704-11-9P
790704-17-5P 790705-39-4P
RL: PAC (Pharmacological activity); SPP (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Uses)
[preparation of pyrazinyl/pyridinyl thiazolylamines as inhibitors of phosphatidylinositol 3-kinase]
RN 790702-34-0 CAPLUS
CN Acetamide, 2-[[[5-(2,6-dimethyl-4-pyridinyl)-4-methyl-2-thiazolyl]amino]carbonyl]amino-N,N-dimethyl- (9CI) (CA INDEX NAME)

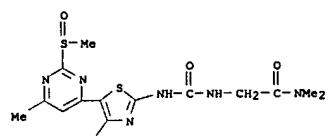
L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 790704-05-1 CAPLUS
CN Acetamide, N,N-dimethyl-2-[[[4-methyl-5-(6-methyl-2-(methythio)-4-pyrimidinyl)-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

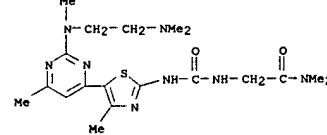


RN 790704-11-9 CAPLUS
CN Acetamide, N,N-dimethyl-2-[[[4-methyl-5-(6-methyl-2-(methysulfinyl)-4-pyrimidinyl)-2-thiazolyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

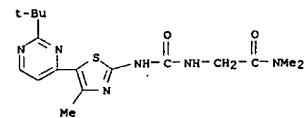


RN 790704-17-5 CAPLUS
CN Acetamide, 2-[[[5-[2-(dimethylamino)ethyl]methylamino]-6-methyl-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino-N,N-dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 790705-39-8 CAPLUS
CN Acetamide, 2-[[[5-[2-(1,1-dimethylethyl)-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino-N,N-dimethyl- (9CI) (CA INDEX NAME)



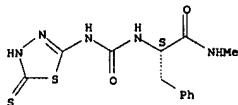
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS FORMAT

Karen Cheng

10530876b

L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:880442 CAPLUS
DOCUMENT NUMBER: 142:6070
TITLE: Intramolecular nonbonded S···O interaction in acetazolamide and thiadiazolinethione molecules in their dimeric crystalline structures and complex crystalline structures with enzymes
AUTHOR(S): Naga, Yoshimitsu; Honjo, Takashi; Iimori, Hitoshi; Goto, Satoru; Sano, Shigeki; Shiro, Motoo; Yamaguchi, Kentaro; Sei, Yoshihisa
CORPORATE SOURCE: Graduate School of Pharmaceutical Sciences, The University of Tokushima, Shoh-machi, Tokushima, 770-8505, Japan
SOURCE: Tetrahedron Letters (2004), 45(47), 8757-8761
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU 107859
RL: PRP (Properties)
(cold-spray ionization mass spectrum and solution aggregation; intramol. nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex crystalline structures with enzymes)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

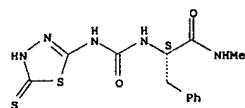


IT 796845-26-6
RL: PRP (Properties)
(crystallog.: intramol. nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex crystalline structures with enzymes)
RN 796845-26-6 CAPLUS
CN Acetic acid ethyl ester, compd. with (aS)- α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methylbenzenepropanamide and methanol (57:200:200) (9CI) (CA INDEX NAME)

CM 1

CRN 198700-58-2

L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
ACCESSION NUMBER: 2004:817667 CAPLUS
DOCUMENT NUMBER: 141:327646
TITLE: Absolute stereochemistry. Rotation (+).



CM 2

CRN 141-78-6
CMF C4 H8 O2

Et-O-Ac

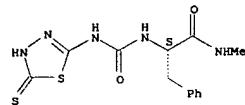
CM 3

CRN 67-56-1
CMF C H4 O

H3C-OH

IT 198700-58-2D, PNU 107859, complex with stromelysin
198701-34-7D, PNU 142372, complex with stromelysin
RL: PRP (Properties)
(intramol. nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex crystalline structures with enzymes)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

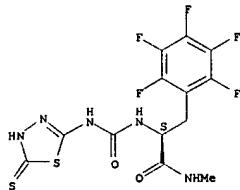
Absolute stereochemistry. Rotation (+).



L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:817667 CAPLUS
DOCUMENT NUMBER: 141:327646
TITLE: Inhibitors of cathepsin S for use in pharmaceuticals
INVENTOR(S): Liu, Hong; Alper, Phil; Chatterjee, Arnab; Tully, David; Bursulaya, Badry; Woodmansee, David; Epple, Robert; Harris, Jennifer Leslie; Li, Jun
PATENT ASSIGNEE(S): IRM LLC, Bermuda
SOURCE: PCT Int. Appl., 166 pp.
CODEN: PIXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

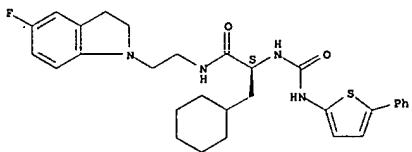
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004084843	A2	20041007	WO 2004-US9414	20040324
WO 2004084843	A3	20050929		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BY, GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG	US 2004248887	A1	20041209	US 2004-807613 US 2003-457848P P 20030324
				US 2004-807613 A 20040323

OTHER SOURCE(S): MARPAT 141:327646
IT 769965-31-3P 769965-32-4P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Inhibitors of cathepsin S for use in pharmaceuticals)
RN 769965-31-3 CAPLUS
CN Cyclohexanepropanamide, N-[2-(5-fluoro-2,3-dihydro-1H-indol-1-yl)ethyl]- α -[[(5-phenyl-2-thienyl)amino]carbonyl]amino-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

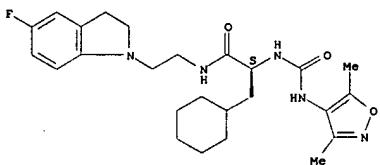
Karen Cheng

L4 ANSWER 11 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



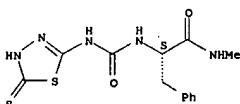
RN 769965-32-4 CAPLUS
CN Cyclohexanepropanamide, α -{[(3,5-dimethyl-4-isoxazolyl)amino]carbonyl}amino)-N-[2-(5-fluoro-2,3-dihydro-1H-indol-1-yl)ethyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



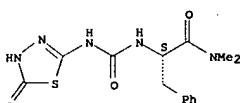
RN 198700-58-2 CAPLUS
CN Benzene propanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-64-0 CAPLUS
CN Benzene propanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N,N-dimethyl-, (aS)- (9CI) (CA INDEX NAME)

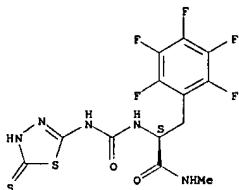
Absolute stereochemistry. Rotation (+).



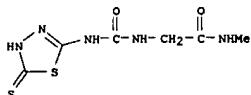
RN 198701-34-7 CAPLUS

L4 ANSWER 12 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzene propanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

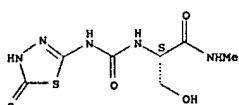


RN 226211-42-3 CAPLUS
CN Acetamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl- (9CI) (CA INDEX NAME)



RN 226211-44-5 CAPLUS
CN Propanamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-3-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004-344240 CAPLUS
DOCUMENT NUMBER: 140:357340
TITLE: Preparation of N-(5-chloro-2-thienyl)ureas and related

compounds as coagulation factor Xa inhibitors for the treatment of thromboembolic illnesses
INVENTOR(S): Dorsch, Dieter; Cezanne, Bertram; Mederski, Werner; Tsaklaakis, Christos; Gleitz, Johannes; Barnes, Christopher

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: Ger. Offen., 28 pp.

CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

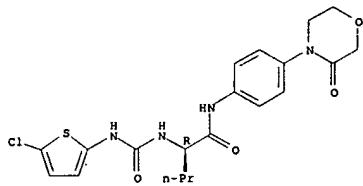
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10247226	A1	20040422	DE 2002-10247226	20021010
CA 2501706	AA	20040429	CA 2003-2501706	20030918
WO 2004035039	A1	20040429	WO 2003-EP10400	20030918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, MR, MD, MG, MK, MN, MW, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MM, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, NR, NE, SN, TD, TG				
AU 2003270223	A1	20040504	AU 2003-270223	20030918
EP 1549304	A1	20050706	EP 2003-750577	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK, TR				
JP 2006510604	T2	20060330	JP 2004-544033	20030918
US 2006135515	A1	20060622	US 2005-530876	20050411
PRIORITY APPLN. INFO.:			DE 2002-10247226	A 20021010
			WO 2003-EP10400	W 20030918

OTHER SOURCE(S): MARPAT 140:357340
IT 601816-81-9P 601816-82-0P 601816-83-1P
601816-84-2P 601816-85-3P 601816-86-4P
601816-87-5P 601816-88-6P 601816-89-7P
601816-90-0P 601816-91-1P 601816-92-2P
601816-93-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(p) Preparation of N-(5-chloro-2-thienyl)ureas and related compds. as coagulation factor Xa inhibitors for the treatment of thromboembolic illnesses)

RN 601816-81-9 CAPLUS
CN Pentanamide, 2-{[(5-chloro-2-thienyl)amino]carbonyl}amino)-N-(4-(3-oxo-4-morpholinyl)phenyl)-, (2R)- (9CI) (CA INDEX NAME)

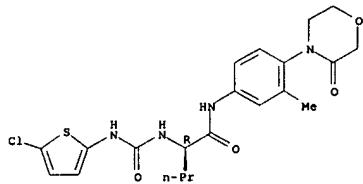
10530876b

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
Absolute stereochemistry.

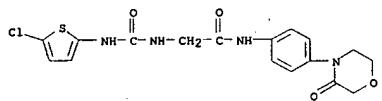


RN 681816-82-0 CAPLUS
CN Pentanamide, 2-[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[3-methyl-4-(3-oxo-4-morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



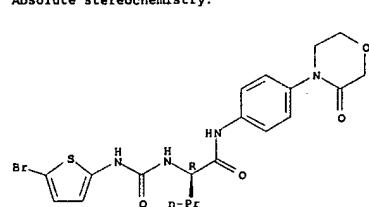
RN 681816-83-1 CAPLUS
CN Acetamide, 2-[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[4-(3-oxo-4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 681816-84-2 CAPLUS
CN Pentanamide, 2-[([(5-bromo-2-thienyl)amino]carbonyl]amino)-N-[4-(3-oxo-4-

(Continued)

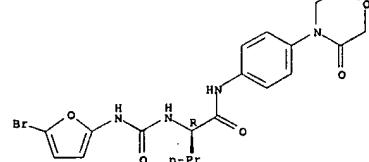
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
Absolute stereochemistry.



RN 681816-85-3 CAPLUS
CN Pentanamide, 2-[([(5-bromo-2-furanyl)amino]carbonyl]amino)-N-[4-(3-oxo-4-

morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

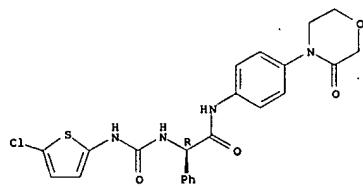
Absolute stereochemistry.



RN 681816-86-4 CAPLUS
CN Benzeneacetamide, α -[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (α R)- (9CI) (CA INDEX NAME)

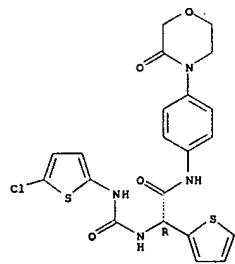
Absolute stereochemistry.

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 681816-87-5 CAPLUS
CN 2-Thiopheneacetamide, α -[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (α R)- (9CI) (CA INDEX NAME)

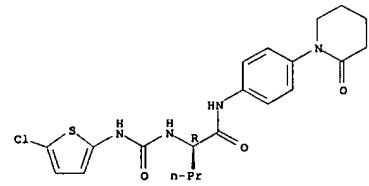
Absolute stereochemistry.



RN 681816-88-6 CAPLUS
CN Pentanamide, 2-[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[4-(2-oxo-1-piperidinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

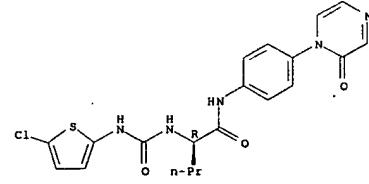
Absolute stereochemistry.

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



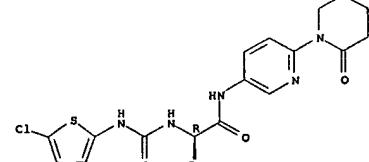
RN 681816-89-7 CAPLUS
CN Pentanamide, 2-[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[4-(2-oxo-1-(2H)-pyrazinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 681816-90-0 CAPLUS
CN Pentanamide, 2-[([(5-chloro-2-thienyl)amino]carbonyl]amino)-N-[6-(2-oxo-1-piperidinyl)-3-pyridinyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

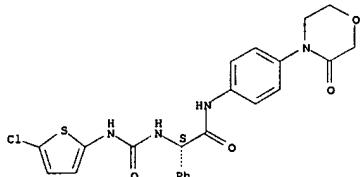


Karen Cheng

10530876b

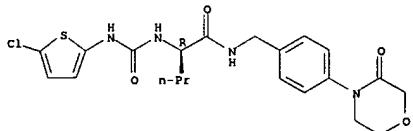
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 681816-91-1 CAPLUS
CN Benzeneacetamide, α -{[(5-chloro-2-thienyl)amino]carbonyl}amino)-N-(4-(3-oxo-4-morpholinyl)phenyl)-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 681816-92-2 CAPLUS
CN Pentanamide,
2-{[(5-chloro-2-thienyl)amino]carbonyl}amino)-N-[{4-(3-oxo-4-morpholinyl)phenyl}methyl]-, (2R)- (9CI) (CA INDEX NAME)

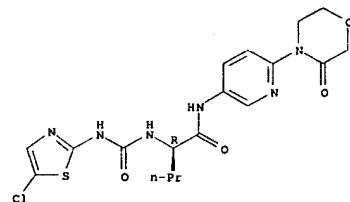
Absolute stereochemistry.



RN 681816-93-3 CAPLUS
CN Pentanamide,
2-{[(5-chloro-2-thiazolyl)amino]carbonyl}amino)-N-[6-(3-oxo-4-morpholinyl)-3-pyridinyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

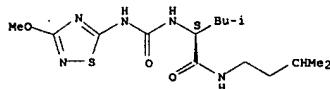
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 14 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:923410 CAPLUS
DOCUMENT NUMBER: 140:174436
TITLE: 1,2,4-Thiadiazole: A novel Cathepsin B inhibitor
AUTHOR(S): Young-Toung, Regis; Wodzinska, Jolanta; Li, Wanren;
Lowrie, Jayme; Kukreja, Rahul; Desilets, Denis;
Karimian, Khashayar; Tam, Tim Fat
CORPORATE SOURCE: Department of Medicinal Chemistry, Apotex Research,
, Toronto, ON, M9L 1N9, Can.
SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(24),
5529-5537
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:174436
IT 472958-38-6
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation and cathepsin B inhibition by thiadiazoles)

RN 472958-39-6 CAPLUS
CN Pentanamide,
2-{[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl}amino)-4-
methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 15 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:892749 CAPLUS
DOCUMENT NUMBER: 139:381378
TITLE: Preparation of carboxylic acid amides as inhibitors
of blood-coagulation factor Xa and VIIa
INVENTOR(S): Dorsch, Dieter; Mederski, Werner; Gleitz, Johannes;
Cezanne, Bertram; Tsaklakidis, Christos; Barnes,
Christopher
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003093325	A1	20031113	WO 2003-EP3331	20030331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
DE 10218974	A1	20031127	DE 2002-10218974	20020427
DE 10236868	A1	20040226	DE 2002-10236868	20020812
CA 2483228	AA	20031113	CA 2003-2483228	20030331
AU 2003226755	A1	20031117	AU 2003-226755	20030331
EP 1499591	A1	20050126	EP 2003-747402	20030331
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, C2, EE, HU, SK				
US 2005171154	A1	20050804	US 2003-512478	20030331
JP 200531547	T2	20051020	JP 2004-501374	20030331
PRIORITY APPLN. INFO.:			DE 2002-10218974	A 20020427
			DE 2002-10236868	A 20020812
			WO 2003-EP3331	W 20030331

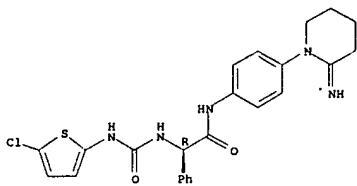
OTHER SOURCE(S): MARPAT 139:381378
IT 625103-76-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of carboxylic acid amides as inhibitors of
blood-coagulation
factor Xa and VIIa)
RN 625103-76-6 CAPLUS
CN Benzenacetamide, α -{[(5-chloro-2-thienyl)amino]carbonyl}amino)-N-(4-(2-imino-1-piperidinyl)phenyl)-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Karen Cheng

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L4 ANSWER 15 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

*possible
D.L.*

L4 ANSWER 16 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:808427 CAPLUS
DOCUMENT NUMBER: 137:311203
TITLE: Preparation of thiadiazole amino acid derivatives as inhibitors of cysteine activity dependent enzymes
INVENTOR(S): Karimian, Khashayar; Tam, Tim Fat; Leung-Toung, Regis C. S. H.; Li, Wanren; Bryson, Steve Patrick; Wodzinska, Jolanta Maria
PATENT ASSIGNEE(S): Apotex Inc., Can.
SOURCE: U.S., 35 pp., Cont.-in-part of U.S. 6,162,791.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

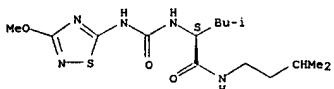
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6468977	B1	20021022	US 2000-576029	20000523
US 6162791	A	20001219	US 1998-33937	19980302
TR 200002527	T2	20010122	TR 2000-200002527	19990223
WO 2001090095	A1	20011129	WO 2001-CAT702	20010518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.: US 1998-33937				A2 19980302

US 2000-576029 A 20000523

IT 472958-38-6, Apo 1073
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiadiazole amino acid derivs. as inhibitors of cysteine activity dependent enzymes)
RN 472958-38-6 CAPLUS
CN Pentanamide,
2-{{(3-methoxy-1,2,4-thiadiazol-5-yl)amino}carbonyl}amino)-4-methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

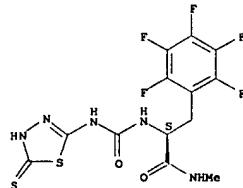
L4 ANSWER 16 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:225915 CAPLUS
DOCUMENT NUMBER: 137:119052
TITLE: A comparative docking study and the design of potentially selective MMP inhibitors
AUTHOR(S): Hanessian, Stephen; Moitessier, Nicolas; Therrien, Eric
CORPORATE SOURCE: Department of Chemistry, Universite de Montreal, Montreal, QC, H3C 3J7, Can.
SOURCE: Journal of Computer-Aided Molecular Design (2001), 15(10), 873-881
PUBLISHER: Kluwer Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198701-34-7
RL: PAC (Pharmacological activity); PRP (Properties); BIOL (Biological study)
(comparative docking study and the design of potentially selective MMP inhibitors)
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-2,3,4,5,6-pentafluoro-N-methyl-, (α C)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



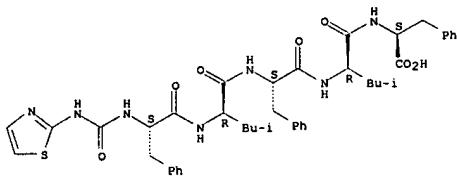
REFERENCE COUNT: 75 THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Karen Cheng

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L4 ANSWER 18 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2002:135341 CAPLUS
 DOCUMENT NUMBER: 137:19286
 TITLE: C- and N-terminal residue effect on peptide derivatives' antagonism toward the formyl-peptide receptor
 AUTHOR(S): Dalpiaz, Alessandro; Ferretti, Maria E.; Vettuani, Gianni; Traniello, Serena; Scatturin, Angelo; Spisani, Susanna
 CORPORATE SOURCE: Department of Pharmaceutical Sciences, Ferrara University, Ferrara, 44100, Italy
 SOURCE: European Journal of Pharmacology (2002), 436(3), 187-196
 CODEN: EUPHAZ; ISSN: 0014-2999
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT: 444094-64-8P 444094-65-9P
 RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (Phe-D-Leu-Phe-D-Leu-Phe derivs. as formyl-peptide receptor antagonists in human neutrophils)
 RN: 444094-64-8 CAPLUS
 CN: L-Phenylalanine, N-[(2-thiazolylamino)carbonyl]-L-phenylalanyl-D-leucyl-L-phenylalanyl-D-leucyl-, methyl ester (9CI) (CA INDEX NAME)

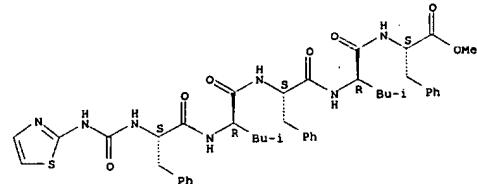
Absolute stereochemistry.



RN 444094-65-9 CAPLUS
 CN L-Phenylalanine, N-[(2-thiazolylamino)carbonyl]-L-phenylalanyl-D-leucyl-L-phenylalanyl-D-leucyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 18 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



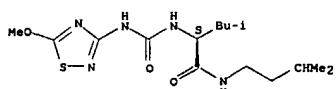
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 19 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2001:868441 CAPLUS
 DOCUMENT NUMBER: 135:372000
 TITLE: Preparation of thiadiazole compounds as inhibitors of cysteine activity dependent enzymes
 INVENTOR(S): Karimian, Khashayar; Tam, Tim Fat; Leung-Toung, Regis C. S. H.; Li, Wanren; Bryson, Steve Patrick; Wodzinska, Jolanta Maria
 PATENT ASSIGNEE(S): Apotex Inc., Can.
 SOURCE: PCT Int. Appl., 104 pp.
 CODEN: PIIXAD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090095	A1	20011129	WO 2001-CR702	20010519
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
GW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, T2, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TO				
US 6468977	BI	20021022	US 2000-576025	20000523
PRIORITY APPLN. INFO.:			US 2000-576029	A 20000523
		US 1998-33937		A2 19980302

OTHER SOURCE(S): MARPAT 135:372000
 IT 374632-21-0P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 3,5-disubstituted 1,2,4-thiadiazoles. as inhibitors of cysteine activity dependent enzymes)
 RN 374632-21-0 CAPLUS
 CN Pentanamide, 2-[(15-methoxy-1,2,4-thiadiazol-3-yl)amino]carbonylamino)-4-methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

Karen Cheng

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L4 ANSWER 20 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:881130 CAPLUS
 DOCUMENT NUMBER: 134:42124
 TITLE: Preparation of diaminothiazoles for inhibiting protein kinases
 INVENTOR(S): Chu, Shao Song; Alegria, Larry Andrew; Bender, Steven Lee; Benedict, Suzanne Pritchett; Borchardt, Allen J.; Kania, Robert Steve; Nambu, Mitchell David; Tempczyk-Russell, Anna Maria; Sarshar, Sepher Agouron Pharmaceuticals, Inc., USA
 PATENT ASSIGNEE(S): PCT Int. Appl., 397 pp.
 SOURCE: CODEN: PIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075120	A1	20001214	WO 2000-US15188	20000602
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, MI, MR, NE, SN, TD, TG	RA 20001214	CA 2000-2371158	20000602
EP 1181283	A1	20002227	EP 2000-942660	20000602
EP 1181283	B1	20050202		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000011585	A	20020319	BR 2000-11585	20000602
HU 200202897	A2	20021228	HU 2002-2897	20000602
JP 2003501420	T2	20030114	JP 2001-501601	20000602
EE 200100659	A	20030217	EE 2001-659	20000602
AU 778071	B2	20041111	AU 2000-57254	20000602
AT 288424	E	20050215	AT 2000-942660	20000602
ES 2234628	T2	20050701	ES 2000-942660	20000602
US 2002025976	A1	20020228	US 2001-783584	20010215
US 6620828	B2	20030916		
ZA 2001008291	A	20021009	ZA 2001-8291	20011009
NO 2001005045	A	20020204	NO 2001-5045	20011017
BG 106276	A	20021031	BG 2002-106276	20020103
PRIORITY APPLN. INFO.:			US 1999-137810P	P 19990604
			US 2000-587530	B1 20000602
			WO 2000-US15188	W 20000602

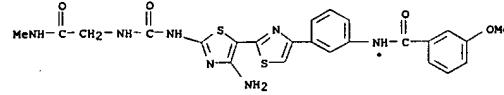
OTHER SOURCE(S): MARPAT 134:42124
 IT 312767-43-4 312768-20-0 312768-96-0
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological)

L4 ANSWER 21 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:666701 CAPLUS
 DOCUMENT NUMBER: 133:252050
 TITLE: Preparation of novel N-cyanomethyl amide compounds and compositions as protease inhibitors to treat osteoporosis
 INVENTOR(S): Bryant, Clifford M.; Palmer, James T.; Rydzewski, Robert M.; Setti, Eduardo L.; Tian, Zong-Qiang; Venkatraman, Shekar; Wang, Dan-Xiong
 PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 155 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

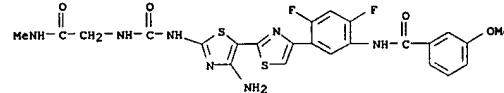
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055126	A2	20000922	WO 2000-US6837	20000315
WO 2000055126	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, MI, MR, NE, SN, TD, TG	RA 20000921	CA 2000-2368148	20000315
EP 1161415	A2	20011212	EP 2000-916375	20000315
EP 1161415	B1	20050713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 200009043	A	20020108	BR 2000-9043	20000315
TR 20010337	T2	20020321	TR 2001-3337	20000315
TR 200103390	T2	20020521	TR 2001-3390	20000315
HU 200200347	A2	20020629	HU 2002-347	20000315
HU 200200503	A2	20020629	HU 2002-503	20000315
US 6455502	B1	20020924	US 2000-526090	20000315
TR 200201874	T2	20021021	TR 2002-1874	20000315
US 6476026	B1	20021105	US 2000-526405	20000315
JP 2002539192	T2	20021119	JP 2000-605557	20000315
EE 200100487	A	20030217	EE 2001-487	20000315
AU 769736	B2	20040205	AU 2000-37486	20000315
PT 1178958	T	20040730	PT 2000-916343	20000315
EP 1452522	A2	20040901	EP 2004-75486	20000315
EP 1452522	A3	20050209		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, RO				
ES 2215626	T3	20041016	ES 2000-916343	20000315
AT 299493	E	20050715	AT 2000-916375	20000315
ES 2245303	T3	20060101	ES 2000-916375	20000315
ZA 2001007494	A	20060111	ZA 2001-1494	20010911
ZA 2001007495	A	20060211	ZA 2001-1495	20010911
NO 2001004484	A	20011026	NO 2001-4484	20010914
BG 106013	A	20020531	BG 2001-106013	20011012
HR 2001000737	A1	20021031	HR 2001-737	20011012
US 2002086996	A1	20020704	US 2001-17851	20011214

Karen Cheng

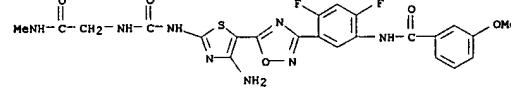
L4 ANSWER 20 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 ACCESSION NUMBER: 2000:881130 CAPLUS
 DOCUMENT NUMBER: 134:42124
 TITLE: Preparation of diaminothiazoles for inhibiting protein kinases
 INVENTOR(S): Chu, Shao Song; Alegria, Larry Andrew; Bender, Steven Lee; Benedict, Suzanne Pritchett; Borchardt, Allen J.; Kania, Robert Steve; Nambu, Mitchell David; Tempczyk-Russell, Anna Maria; Sarshar, Sepher Agouron Pharmaceuticals, Inc., USA
 PATENT ASSIGNEE(S): PCT Int. Appl., 397 pp.
 SOURCE: CODEN: PIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:



RN 312768-20-0 CAPLUS
 CN Benzamide, N-[5-[4'-amino-2'-[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]amino]2,5'-bithiazol-4-yl]-3-methoxy- (9CI) (CA INDEX NAME)



RN 312768-96-0 CAPLUS
 CN Benzamide, N-[5-[5-[4-amino-2-[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]amino]-5-thiazolyl]-1,2,4-oxadiazol-3-yl]-2,4-difluorophenyl-3-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

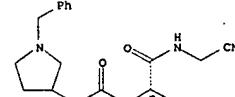
L4 ANSWER 21 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 US 6593327 B2 20030715
 US 2003096796 A1 20030522 US 2002-205600 20020724
 US 2003119788 A1 20030626 US 2002-241001 20020909
 US 2004147745 A1 20040729 US 2004-758893 20040115
 PRIORITY APPLN. INFO.: P 19990315

EP 2000-916343 A3 20000315
 US 2000-526090 A1 20000315
 US 2000-526485 A3 20000315
 WO 2000-US6837 W 20000315
 US 2002-205600 B1 20020724

OTHER SOURCE(S): MARPAT 133:252050
 IT 294620-71-6P 294622-11-OP
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOI (Biological study); PREP (Preparation); USES (Uses) (preparation of novel N-cyanomethyl amides and compns. as protease inhibitors)

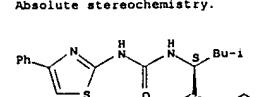
RN 294620-71-6 CAPLUS
 CN Pentanamide, N-(cyanomethyl)-4-methyl-2-((methyl)(1-(phenylmethyl)-3-pyrrolidinyl)amino)carbonyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 294622-11-0 CAPLUS
 CN Pentanamide, N-(cyanomethyl)-4-methyl-2-((4-phenyl-2-thiazolyl)amino)carbonyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

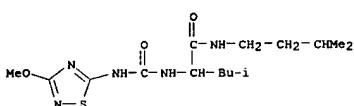


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L4 ANSWER 22 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000-622484 CAPLUS
 DOCUMENT NUMBER: 133:207900
 TITLE: Preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers
 INVENTOR(S): Karimian, Khashayar; Tam, Tim F.; Desilets, Denis; Lee, Sue; Cappelletto, Tullio; Li, Wanren
 PATENT ASSIGNEE(S): Apotex Inc., Can.
 SOURCE: U.S., 32 pp., Cont.-in-part of U.S. Ser. No. 606,705, abandoned
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6114537	A	20000905	US 1997-803651	19970221
CA 2247899	AA	19970904	CA 1997-2247899	19970226
CN 1216527	A	19980512	CN 1997-193972	19970226
HU 9901789	A2	19990830	HU 1999-1789	19970226
SK 282758	B6	20021203	SK 1998-1176	19970226
PRIORITY APPN. INFO.:			US 1996-606705	B2 19960226
			US 1997-803651	A 19970221
			WO 1997-CA137	W 19970226

OTHER SOURCE(S): MARPAT 133:207900
 IT 196412-14-3P 290313-00-7
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as
 thiol
 scavengers)
 RN 196412-14-3 CAPLUS
 CN Pentanamide,
 2-{{(3-methoxy-1,2,4-thiadiazol-5-yl)amino|carbonyl|amino}-4-
 methyl-N-(3-methylbutyl)- (9CI) (CA INDEX NAME)



RN 290313-00-7 CAPLUS
 CN Pentanamide,
 2-{{(3-methoxy-1,2,4-thiadiazol-5-yl)amino|carbonyl|amino}-4-

L4 ANSWER 23 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000-314688 CAPLUS
 DOCUMENT NUMBER: 132:334455
 TITLE: 2-Ureidothiazole derivatives, process for their preparation, and their use as antitumor agents
 INVENTOR(S): Peveralillo, Paolo; Amici, Raffaele; Traquandi, Gabriella; Villa, Manuela; Vulpetti, Anna; Isacchi, Antonella
 PATENT ASSIGNEE(S): Farmacia & Upjohn S.p.A., Italy
 SOURCE: PCT Int. Appl. 95 pp.
 CODEN: PIXXDZ
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

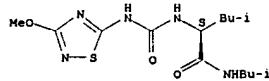
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026203	A1	20000511	WO 1999-EP8307	19991027
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MK, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TU, TR, RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG, CA 2347060	AA	20000511	CA 1999-2347060	19991027
BR 9914868	A	20010703	BR 1999-14868	19991027
EP 1124811	A1	20010822	EP 1999-953959	19991027
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	A2	20020328	HU 2001-4167	19991027
HU 200104167	T2	20020903	JP 2000-579592	19991027
JP 2002528538	A	20031031	NZ 1999-510967	19991027
NZ 510967	A	20040318	AU 2000-10447	19991027
AU 771166	A	20011010	ZA 2001-2869	20010406
ZA 2001002869	A	20010628	NO 2001-2058	20010426
NO 2001002058	A1	20031002	US 2001-830668	20010430
US 2003187040	A1	20050308		
US 6863647	A1	20040812	US 2004-770019	20040202
US 2004157827	A1	20040715	AU 2004-202678	20040618
AU 2004202678	GB 1999-23873	A 199810430		
PRIORITY APPN. INFO.:		AU 2000-10447	A3 19991027	
		WO 1999-EP8307	W 19991027	
		US 2001-830668	A1 20010430	

OTHER SOURCE(S): MARPAT 132:334455
 IT 267430-87-5P, (2R)-N-Benzyl-2-{{(5-isopropyl-1,3-thiazol-2-yl)amino|carbonyl|amino}propanamide
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (targeted compound; preparation of ureidothiazole derivs. as antitumor agents)
 RN 267430-87-5 CAPLUS
 CN Propanamide, 2-{{(5-(1-methylethyl)-2-thiazolyl)amino|carbonyl|amino}-N-

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L4 ANSWER 22 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 methyl-N-(2-methylpropyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

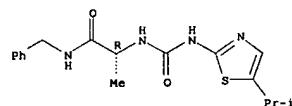


REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 23 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 (phenylmethyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

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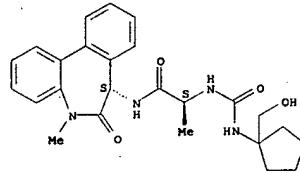
L4 ANSWER 24 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:819353 CAPLUS
 DOCUMENT NUMBER: 132:64534
 TITLE: Preparation of cyclic amino acid compounds for inhibiting β -amyloid peptide release and/or its synthesis
 INVENTOR(S): Thompson, Richard C.; Wilkie, Stephen; Stack, Douglas R.; Vanmeter, Eldon E.; Shi, Qing; Britton, Thomas C.; Audia, James E.; Reel, Jon K.; Mabry, Thomas E.; Dressman, Bruce A.; Cwi, Cynthia L.; Henry, Steven S.; McDaniel, Stacey L.; Stucky, Russell D.; Porter, Warren J.
 PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA; Eli Lilly & Company; et al.
 SOURCE: PCT Int. Appl. 714 pp.
 CODEN: PIXXDZ
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9967221	A1	19991229	WO 1999-US14193	19990622
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2325389	RA	19991229	CA 1999-2325389	19990622
AU 9947101	A1	20000110	AU 1999-47101	19990622
EP 1089980	A1	20010411	EP 1999-930594	19990622
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002518483	T2	20020625	JP 2000-555875	19990622
US 2005192265	A1	20050901	US 2004-2922	20041203
PRIORITY APPLN. INFO.:			US 1998-102507	A2 19980622
			WO 1999-US14193	W 19990622
			US 2003-392332	A3 20030320

OTHER SOURCE(S): MARPAT 132:64534
 IT 253324-13-9P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USSS (Uses) (preparation of cyclic amino acid compds. for inhibiting β -amyloid peptide release)
 RN 253324-13-9 CAPLUS

L4 ANSWER 24 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN Propanamide,
 N-[(7S)-6,7-dihydro-5-methyl-6-oxo-5H-dibenz[b,d]azepin-7-yl]-
 2-[[[(1-(hydroxymethyl)cyclopentyl)amino]carbonyl]amino]-, (2S)- (9CI)

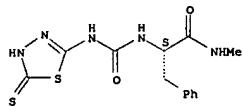
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

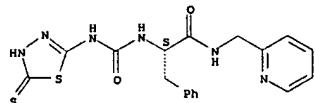
L4 ANSWER 25 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:711891 CAPLUS
 DOCUMENT NUMBER: 132:89896
 TITLE: A Fluorescence Resonance Energy Transfer Method for Measuring the Binding of Inhibitors to Stromelysin
 AUTHOR(S): Epps, Dennis E.; Mitchell, Mark A.; Petzold, Gary L.; VandeDie, John H.; Poorman, Roger A.
 CORPORATE SOURCE: Pharmacia and Upjohn Company, Kalamazoo, MI, 49001, USA
 SOURCE: Analytical Biochemistry (1999), 275(2), 141-147
 CODEN: ANBCA2; ISSN: 0003-2697
 PUBLISHER: Academic Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 198700-58-2, PNU 107859 198700-63-9, PNU 109648
 198701-33-6, PNU 140171
 RL: PRP (Properties)
 (fluorescence resonance energy transfer method for measuring binding of thiadiazole-containing inhibitors to stromelysin)
 RN 198700-58-2 CAPLUS
 CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-63-9 CAPLUS
 CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

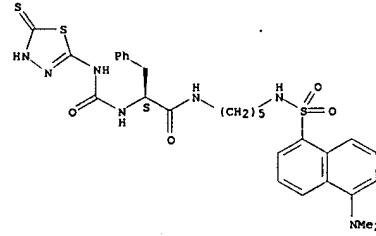
Absolute stereochemistry. Rotation (+).



RN 198701-33-6 CAPLUS
 CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-[(5-(dimethylamino)-1-naphthalenyl)sulfonyl]pentyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 25 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 26 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:710339 CAPLUS

DOCUMENT NUMBER: 132:46866

TITLE: Dynamics of stromelysin/inhibitor interactions

studied

by ^{15}N NMR relaxation measurements: comparison of

ligand binding to the S1-S3 and S1'-S3' subsites

AUTHOR(S): Yuan, Peng; Marshall, Vincent P.; Petzold, Gary L.;

Poorman, Roger A.; Stockman, Brian J.

CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry,

Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA

SOURCE: Journal of Biomolecular NMR (1999), 15(1), 55-64

CODEN: JBNME9; ISSN: 0925-2738

PUBLISHER: Kluwer Academic Publishers

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 198700-58-2, PNU-107859 198701-34-7, PNU-142372

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)

(dynamics of stromelysin/inhibitor interactions studied by ^{15}N NMR

relaxation measurements and comparison of ligand binding to S1-S3 and

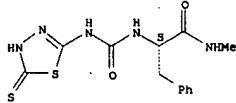
S1'-S3' subsites)

RN 198700-58-2 CAPLUS

CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-

-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-34-7 CAPLUS

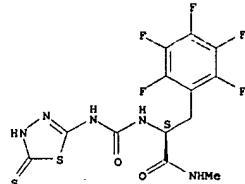
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-

-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 26 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 27 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:660598 CAPLUS

DOCUMENT NUMBER: 132:46830

TITLE: Thermodynamic and circular dichroism studies
differentiate inhibitor interactions with the

stromelysin S1-S3 and S1'-S'3' subsites

AUTHOR(S): Sarver, R. W.; Yuan, P.; Marshall, V. P.; Petzold, G. L.; Poorman, R. A.; DeWaard, J.; Stockman, B. J.

CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry,
Pharmacia and Upjohn Inc., Kalamazoo, MI, USA

SOURCE: Biochimica et Biophysica Acta, Protein Structure and
Molecular Enzymology (1999), 1434(2), 304-316

CODEN: BBAEDZ; ISSN: 0167-4838

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 198700-58-2, PNU-107859 198701-04-1, PNU 143988

198701-34-7, PNU-142372

RL: BAC (Biological activity or effector, except adverse); BPR
(Biological process); BSU (Biological study, unclassified); BIOL (Biological study);
PROC (Process)

(thermod., and CD studies differentiate inhibitor interactions with

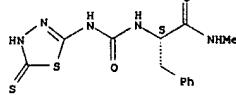
stromelysin S1-S3 and S1'-S'3' subsites)

RN 198700-58-2 CAPLUS

CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-

-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



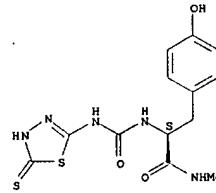
RN 198701-04-1 CAPLUS

CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-

-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

L4 ANSWER 27 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

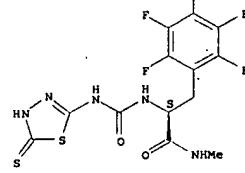


RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-

-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.



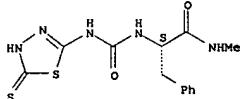
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

Karen Cheng

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L4 ANSWER 28 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:294315 CAPLUS
DOCUMENT NUMBER: 131:110853
TITLE: Isolation and Identification of a Major Metabolite of PNU-107859, an MMP Inhibitor from the Biliary Fluid
of Rats
AUTHOR(S): Kuo, Ming-Shang; Yurek, David A.; Mizsak, Steve A.; Prairie, Mark D.; Mattern, Sally J.; DeKoning, Thomas F.
CORPORATE SOURCE: Discovery Technologies Structural Analytical and Medicinal Chemistry and Transgenic Therapeutic in Vivo
Cora Group, Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA
SOURCE: Journal of Pharmaceutical Sciences (1999), 88(7), 705-708
CODEN: JPMSAE ISSN: 0022-3549
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU-107859
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process) (metabolite of PNU-107859 in bile)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

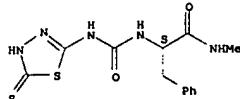


IT 232620-09-6
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative) (metabolite of PNU-107859 in bile)
RN 232620-09-6 CAPLUS
CN β -D-Glucopyranuronic acid, 1-deoxy-1-[5-{[(1S)-2-(methylamino)-2-oxo-1-(phenylmethyl)ethyl]amino]carbonyl}amino]-2-thioxo-1,3,4-thiadiazol-3(2H)-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

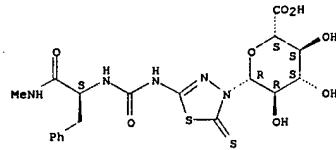
L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:234515 CAPLUS
DOCUMENT NUMBER: 131:31909
TITLE: Synthesis of a Series of Stromelysin-Selective Thiadiazole Urea Matrix Metalloproteinase Inhibitors
AUTHOR(S): Jacobsen, E. Jon; Mitchell, Mark A.; Hedges, Susan K.; Belonga, Kenneth L.; Skletzky, Louis L.; Stelzer, Lindsay S.; Lindberg, Thomas J.; Fritzen, Edward L.; Schostarez, Heinrich J.; O'Sullivan, Theresa J.; Maggiola, Linda L.; Stuchly, Christopher W.; Laborde, Alice L.; Kubicek, Marc F.; Poorman, Roger A.; Beck, Joan M.; Miller, Henry R.; Petzold, Gary L.; Scott, Pam S.; Truesdell, Scott E.; Wallace, Tanya L.; Wilks, John W.; Fisher, Christopher; Goodman, Linda V.; Kaytes, Paul V.; Ledbetter, Stephen R.; Powers, Elaine A.; Vogeli, Gabriel; Mott, John E.; Trepod, Catherine M.; Staples, Douglas J.; Baldwin, Eric T.; Finzel, Barry C.
CORPORATE SOURCE: Departments of Structural Analytical and Medicinal Chemistry Protein Science Genomics Discovery Technologies Cell and Molecular Biology and Chemical Process Research Preparations, Pharmacia Upjohn, Kalamazoo, MI, 49007, USA
SOURCE: Journal of Medicinal Chemistry (1999), 42(19), 1525-1536
CODEN: JMCMAR ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:31909
IT 198700-58-2P 198700-60-6P 198700-61-7P
198700-64-0P 198700-66-2P 198700-72-0P
198700-81-1P 198700-82-2P 198700-87-7P
198700-89-9P 198700-94-6P 198701-04-1P
198701-17-6P 198701-26-7P 198701-34-7P
226211-42-3P 226211-43-4P 226211-44-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (stromelysin-selective thiadiazole urea matrix metalloproteinase inhibitors)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



Karen Cheng

L4 ANSWER 28 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

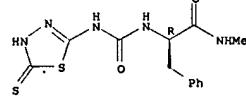


REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

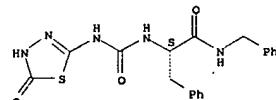
RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N-methyl-, (aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



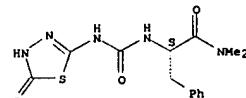
RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N-(phenylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N,N-dimethyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

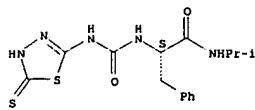


RN 198700-66-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-N-(1-methylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

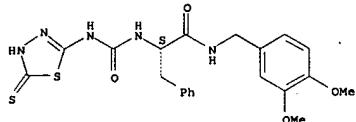
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14 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



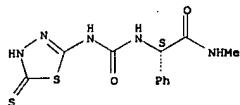
RN 198700-72-0 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(3,4-dimethoxyphenyl)methyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-81-1 CAPLUS
CN Benzenacetamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

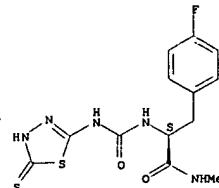
Absolute stereochemistry. Rotation (+).



RN 198700-82-2 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-fluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

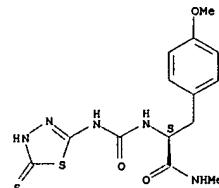
Absolute stereochemistry. Rotation (+).

14 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methoxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

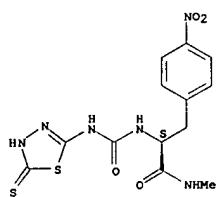
Absolute stereochemistry. Rotation (+).



RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-4-nitro-, (aS)- (9CI) (CA INDEX NAME)

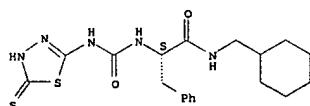
Absolute stereochemistry. Rotation (+).

14 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



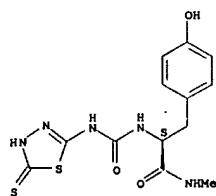
RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)- α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

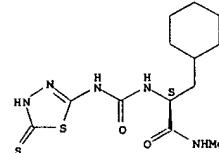
Absolute stereochemistry. Rotation (+).



RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-

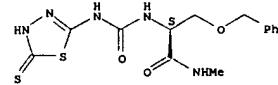
14 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



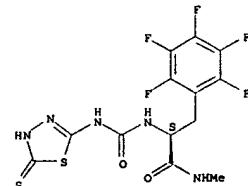
RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

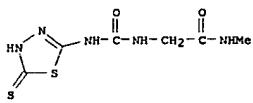


RN 226211-42-3 CAPLUS
CN Acetamide, 2-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)

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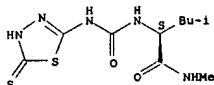
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L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



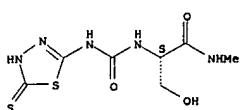
RN 226211-43-4 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,N-dimethyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 226211-44-5 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

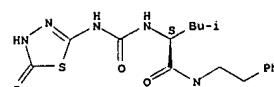
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:788775 CAPLUS
DOCUMENT NUMBER: 130:38702
TITLE: Preparation of thiadiazole derivatives useful for the treatment of disease related to connective tissue degradation
INVENTOR(S): Jacobsen, Eric J.; Mitchell, Mark A.; Schostarez, Heinrich J.; Harper, Donald E.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA
SOURCE: U.S., 29 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5847148	A	19981208	US 1997-835599	19970410
PRIORITY APPLN. INFO.:		US 1997-835599 19970410		

OTHER SOURCE(S): MARPAT 130:38702
IT 198700-84-4P 198700-89-9P 198700-98-0P
198701-26-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of thiadiazole amino acid derivs. for treatment of diseases related to connective tissue degradation)

RN 198700-84-4 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methyl-N-(2-phenylethyl)-, (2S)- (9CI) (CA INDEX NAME)

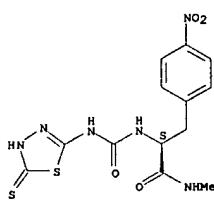
Absolute stereochemistry. Rotation (-).



RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-4-nitro-, (α S)- (9CI) (CA INDEX NAME)

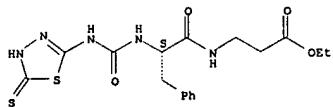
Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



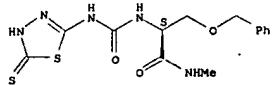
RN 198700-98-0 CAPLUS
CN β -Alanine, N-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-1, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 198700-58-2P 198700-60-6P 198700-61-7P
198700-62-8P 198700-63-9P 198700-64-0P
198700-66-2P 198700-67-3P 198700-69-5P
198700-72-0P 198700-73-1P 198700-74-2P
198700-75-3P 198700-76-4P 198700-81-1P
198700-82-2P 198700-85-5P 198700-87-7P
198700-90-6P 198700-91-3P 198700-93-5P
198700-94-6P 198700-97-9P 198700-99-1P
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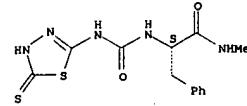
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

198701-15-4P 198701-17-6P 198701-18-7P
198701-19-8P 198701-23-4P 198701-27-8P
198701-29-0P 198701-30-3P 198701-32-5P
198701-33-6P 198701-34-7P 198701-36-9P
198701-38-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of thiadiazole amino acid derivs. for treatment of diseases related to connective tissue degrdn.)

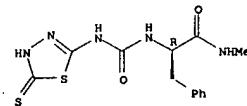
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



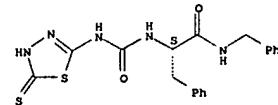
RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (α R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



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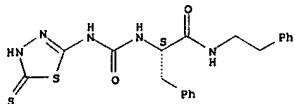
10530876b

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 198700-62-8 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(2-phenylethyl)-, (aS)- (9CI) (CA INDEX NAME)

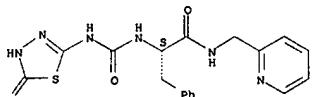
Absolute stereochemistry. Rotation (+).



RN 198700-63-9 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(2-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

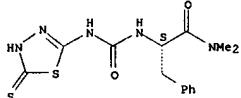
Absolute stereochemistry. Rotation (+).



RN 198700-64-0 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N,N-dimethyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

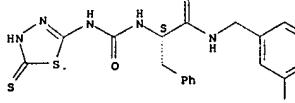


RN 198700-66-2 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(1-methylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

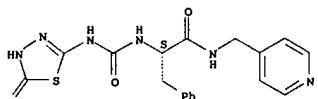
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198700-73-1 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(4-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

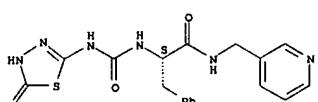
Absolute stereochemistry. Rotation (-).



RN 198700-74-2 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(3-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-75-3 CAPLUS

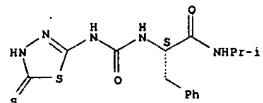
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-[2-(4-morpholinyl)ethyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

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L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

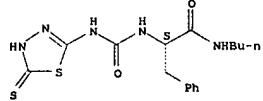
Absolute stereochemistry. Rotation (+).



RN 198700-67-3 CAPLUS

CN Benzenepropanamide, N-butyl- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-, (aS)- (9CI) (CA INDEX NAME)

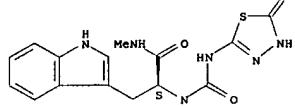
Absolute stereochemistry. Rotation (+).



RN 198700-69-5 CAPLUS

CN 1H-Indole-3-propanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

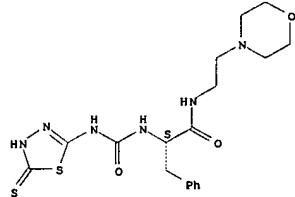


RN 198700-72-0 CAPLUS

CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-[3,4-dimethoxyphenyl)methyl]-, (aS)- (9CI) (CA INDEX NAME)

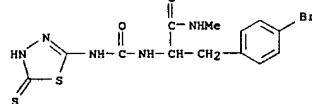
Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198700-76-4 CAPLUS

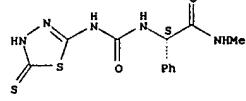
CN Benzenepropanamide, 4-bromo- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl- (9CI) (CA INDEX NAME)



RN 198700-81-1 CAPLUS

CN Benzeacacetamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

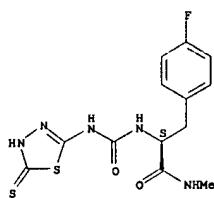
Absolute stereochemistry. Rotation (+).



RN 198700-82-2 CAPLUS

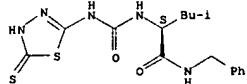
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-4-fluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



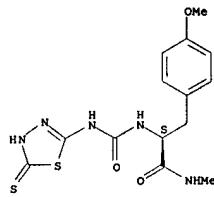
RN 198700-85-5 CAPLUS
CN Pentanamide, 2-[{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino]-4-methyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

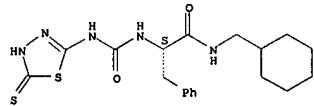


RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-4-methoxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

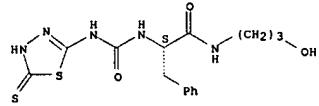


Absolute stereochemistry. Rotation (+).



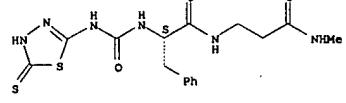
RN 198700-97-9 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(3-hydroxypropyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-99-1 CAPLUS
CN β -Alaninamide, N-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

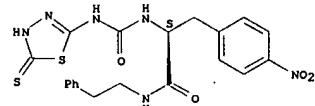


RN 198701-00-7 CAPLUS
CN β -Alanine, N-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

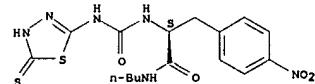
RN 198700-90-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-4-nitro-N-(2-phenylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



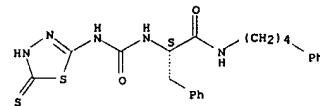
RN 198700-91-3 CAPLUS
CN Benzenepropanamide, N-butyl- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-4-nitro-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

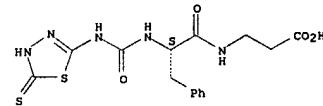


RN 198700-93-5 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(4-phenylbutyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

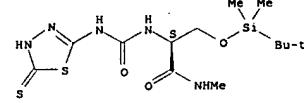


RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-, (aS)- (9CI) (CA INDEX NAME)



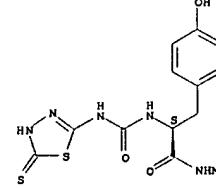
RN 198701-02-9 CAPLUS
CN Propanamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-3-{[(1,1-dimethylethyl)dimethylsilyl]oxy}-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



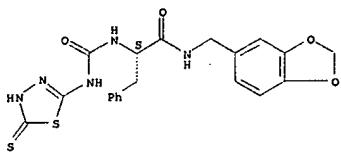
RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-4-hydroxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



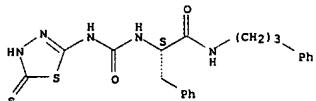
RN 198701-05-2 CAPLUS
CN Benzenepropanamide, N-(1,3-benzodioxol-5-ylmethyl)- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



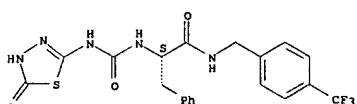
RN 198701-07-4 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(3-phenylpropyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



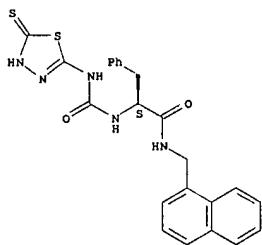
RN 198701-08-5 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-[{4-(trifluoromethyl)phenyl}methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



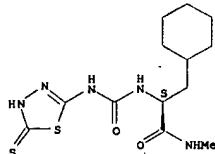
RN 198701-09-6 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-[{4-nitrophenyl}methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



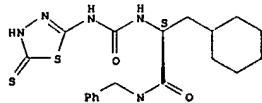
RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



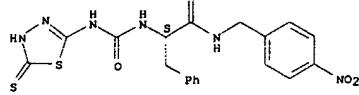
RN 198701-18-7 CAPLUS
CN Cyclohexanepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



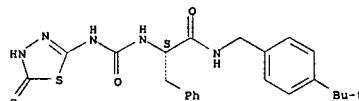
RN 198701-19-8 CAPLUS
CN Cyclohexanepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

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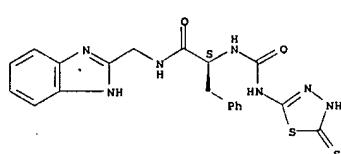
RN 198701-10-9 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-[{4-(1,1-dimethylethyl)phenyl}methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-14-3 CAPLUS
CN Benzenepropanamide, N-(1H-benzimidazol-2-ylmethyl)- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-, (αS)- (9CI) (CA INDEX NAME)

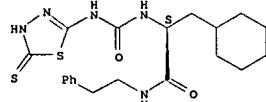
Absolute stereochemistry.



RN 198701-15-4 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-(1-naphthalenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

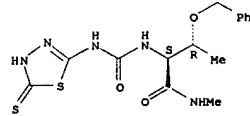
Absolute stereochemistry.

Absolute stereochemistry. Rotation (-).



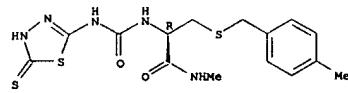
RN 198701-23-4 CAPLUS
CN Butanamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-3-(phenylmethoxy)-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-27-8 CAPLUS
CN Propanamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-3-[(4-methylphenyl)methyl]thio)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

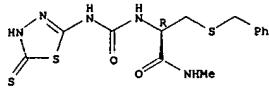


RN 198701-29-0 CAPLUS
CN Propanamide, 2-{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino)-N-methyl-3-[(phenylmethyl)thio]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

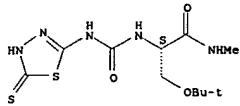
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L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



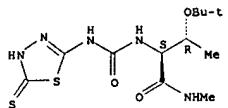
RN 198701-30-3 CAPLUS
CN Propanamide, 2-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-32-5 CAPLUS
CN Butanamide, 2-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

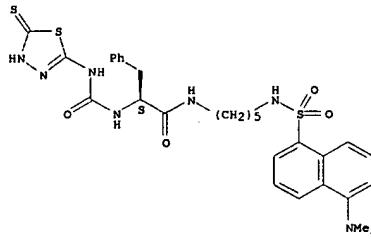
Absolute stereochemistry.



RN 198701-33-6 CAPLUS
CN Benzenepropanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-((dimethylamino)-1-naphthalenyl)sulfonyl]pentyl-, (aS)- (9CI) (CA INDEX NAME)

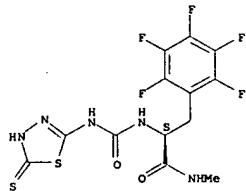
Absolute stereochemistry.

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

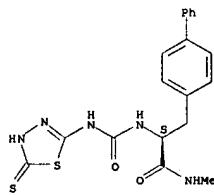
Absolute stereochemistry.



RN 198701-36-9 CAPLUS
CN [1,1'-Biphenyl]-4-propanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

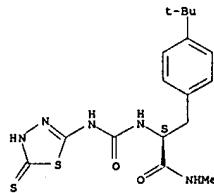
Absolute stereochemistry.

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198701-38-1 CAPLUS
CN Benzenepropanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-(1,1-dimethylethyl)-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



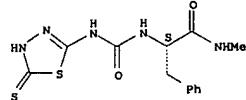
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 31 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:725828 CAPLUS
DOCUMENT NUMBER: 130:77830
TITLE: Solution structures of stromelysin complexed to thiadiazole inhibitors
AUTHOR(S): Stockman, Brian J.; Waldon, Daniel J.; Gates, Jo A.; Scigliano, Terrence A.; Kloosterman, David A.; Mizsak, Stephen A.; Jacobsen, E. Jon; Belonga, Kenneth L.; Mitchell, Mark A.; Mao, Boryeu; Petke, James D.; Goodman, Linda; Powers, Elaine A.; Ledbetter, Steven R.; Kaytes, Paul S.; Vogeli, Gabriel; Marshall, Vincent P.; Petzold, Gary L.; Poorman, Roger A.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA
SOURCE: Protein Science (1998), 7(11), 2281-2286
PUBLISHER: Cambridge University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2D, PNU 107859, complexes with stromelysin
RN 198701-34-7D, PNU 142372, complexes with stromelysin
RL: PRP (Properties)
(solution structures of stromelysin complexed to thiadiazole inhibitors)

RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



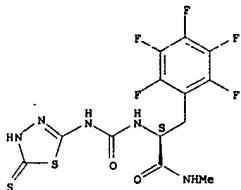
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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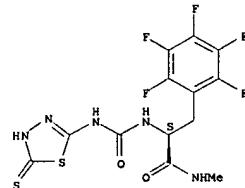
L4 ANSWER 31 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 32 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:700614 CAPLUS
DOCUMENT NUMBER: 130:49058
TITLE: Structural characterizations of nonpeptidic thiadiazole inhibitors of matrix metalloproteinases reveal the basis for stromelysin selectivity
AUTHOR(S): Finzel, B. C.; Baldwin, E. T.; Bryant, G. L., Jr.; Hess, G. F.; Wilks, J. W.; Trepod, C. M.; Mott, J.
E.: Marshall, V. P.; Petzold, G. L.; Poorman, R. A.; O'Sullivan, T. J.; Schostarez, H. J.; Mitchell, M. A.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn, Kalamazoo, MI, 49007, USA
SOURCE: Protein Science (1998), 7(10), 2118-2126
PUBLISHER: CODEN: PRCLIE; ISSN: 0961-8368 Cambridge University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198701-34-7D, PNU 142372, complexes with stromelysin
RL: PRP (Properties)
(x-ray diffraction studies of amide and urea thiadiazole inhibitors complexed with stromelysin catalytic domain)
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino]-2,3,4,5,6-pentafluoro-N-methyl-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

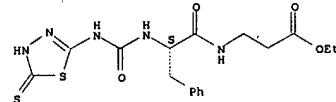
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:717904 CAPLUS
DOCUMENT NUMBER: 128:3886
TITLE: Preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors
INVENTOR(S): Jacobsen, E. Jon; Mitchell, Mark A.; Schostarez, Heinrich Joseph; Harper, Donald E.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Co., USA; Jacobsen, E. Jon; Mitchell, Mark A.; Schostarez, Heinrich Joseph; Harper, Donald E.
SOURCE: PCT Int. Appl., 65 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9726031	A1	19971030	WO 1997-US5428	19970410
W: AL, AM, AT, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GR, HU, IL, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RU: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, NL, PT, SE, BY, BU, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9726036	A1	19971112	AU 1997-26036	19970410
EP 900211	A1	19990310	EP 1997-917801	19970410
EP 900211	BI	20030702		
R: AT, BE, CH, DE, DK, ES, FI, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2000509039	T2	20000715	JP 1997-538079	19970410
AT 244229	E	20030715	AT 1997-917801	19970410
PT 900211	T	20031031	PT 1997-917801	19970410
ES 2202602	T3	20040401	ES 1997-917801	19970410
PRIORITY APPLN. INFO.:			US 1996-16003P	P 19960423
			WO 1997-US5428	W 19970410

OTHER SOURCE(S): MARPAT 128:3886
IT 198700-98-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses); (preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors)
RN 198700-98-0 CAPLUS
CN β -Alanine, N-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl-L-phenylalanyl-, ethyl ester (9CI) (CA INDEX NAME)

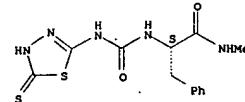
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 198700-58-2P, 198700-60-6P, 198700-61-7P
198700-62-8P, 198700-63-9P, 198700-64-0P
198700-66-2B, 198700-67-3P, 198700-69-5P
198700-72-0B, 198700-73-1P, 198700-74-2P
198700-75-3B, 198700-76-4P, 198700-81-1P
198700-82-2B, 198700-84-4P, 198700-85-5P
198700-87-7B, 198700-89-9P, 198700-90-2P
198700-91-3P, 198700-93-5P, 198700-94-6P
198700-97-9B, 198700-99-1P, 198701-00-7P
198701-02-9B, 198701-04-1P, 198701-05-2P
198701-07-4P, 198701-08-5P, 198701-09-6P
198701-10-9P, 198701-14-3P, 198701-15-4P
198701-17-6P, 198701-18-7P, 198701-19-8P
198701-23-4P, 198701-26-7P, 198701-27-8P
198701-29-0P, 198701-30-3P, 198701-32-5P
198701-33-6P, 198701-34-7P, 198701-36-9P
198701-38-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses); (preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino]-N-methyl-, (α S)- (9CI) (CA INDEX NAME)

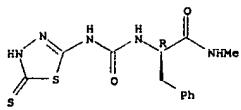
Absolute stereochemistry. Rotation (+).



RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl}amino]-N-methyl-, (α R)- (9CI) (CA INDEX NAME)

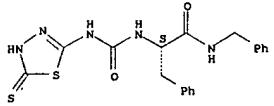
Absolute stereochemistry. Rotation (-).

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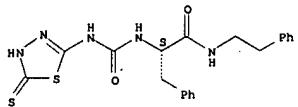
RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(phenylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



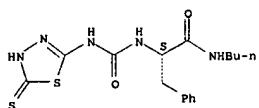
RN 198700-62-8 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(2-phenylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



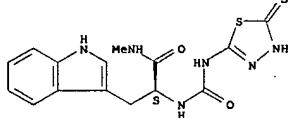
RN 198700-63-9 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(2-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



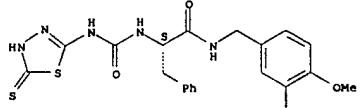
RN 198700-69-5 CAPLUS
CN 1H-Indole-3-propanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



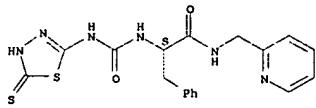
RN 198700-72-0 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(3,4-dimethoxyphenyl)methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



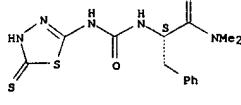
RN 198700-73-1 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(4-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



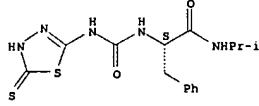
RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N,N-dimethyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



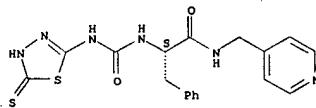
RN 198700-66-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(1-methylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



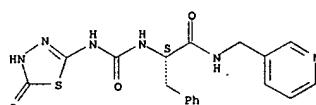
RN 198700-67-3 CAPLUS
CN Benzenepropanamide, N-butyl- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



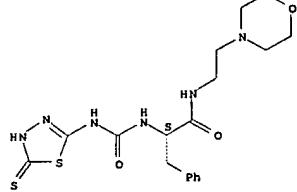
RN 198700-74-2 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-(3-pyridinylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

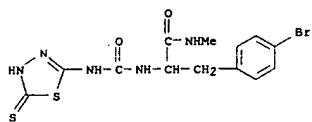


RN 198700-75-3 CAPLUS
CN Benzenepropanamide, α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-[2-(4-morpholinyl)ethyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

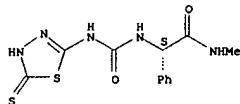


RN 198700-76-4 CAPLUS
CN Benzenepropanamide, 4-bromo- α -{[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino}-N-methyl- (9CI) (CA INDEX NAME)



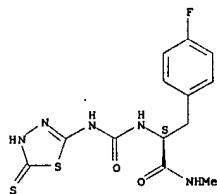
RN 198700-81-1 CAPLUS
CN Benzenecacetamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



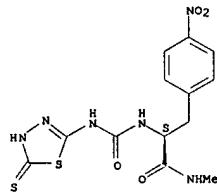
RN 198700-82-2 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-4-fluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



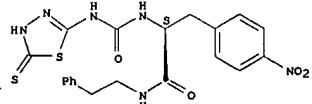
RN 198700-84-4 CAPLUS
CN Pentanamide, 2-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-4-methyl-N-(2-phenylethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



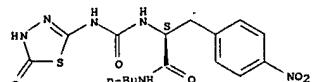
RN 198700-90-2 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-4-nitro-N-(2-phenylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



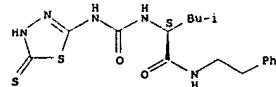
RN 198700-91-3 CAPLUS
CN Benzenepropanamide, N-butyl- α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-nitro-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



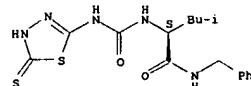
RN 198700-93-5 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-N-(4-phenylbutyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



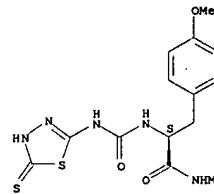
RN 198700-85-5 CAPLUS
CN Pentanamide, 2-[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-4-methyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

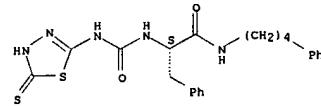


RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methoxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

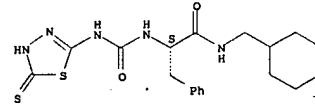


RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino)-N-methyl-4-nitro-, (aS)- (9CI) (CA INDEX NAME)



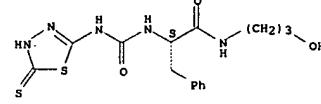
RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)- α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



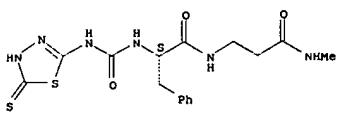
RN 198700-97-9 CAPLUS
CN Benzenepropanamide, α -[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino)-N-(3-hydroxypropyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



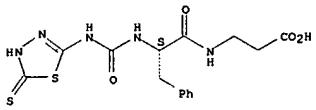
RN 198700-99-1 CAPLUS
CN β -Alaninamide, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-N-methyl-, (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



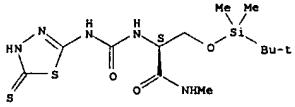
RN 198701-00-7 CAPLUS
CN β -Alanine, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-02-9 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-[(1,1-dimethylethyl)dimethylsilyl]oxy]-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

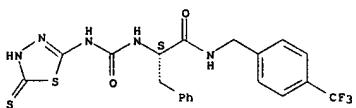


RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

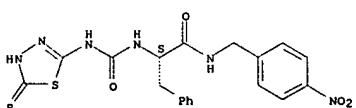
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(4-(trifluoromethyl)phenyl)methyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



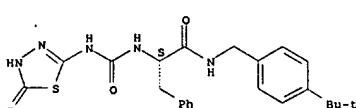
RN 198701-09-6 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(4-nitrophenyl)methyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



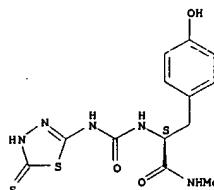
RN 198701-10-9 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(4-(1,1-dimethylethyl)phenyl)methyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



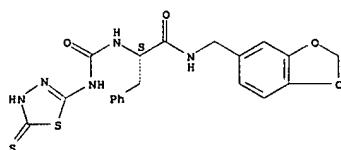
RN 198701-14-3 CAPLUS
CN Benzenepropanamide, N-(1H-benzimidazol-2-ylmethyl)- α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



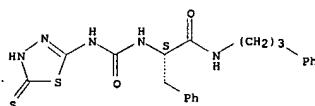
RN 198701-05-2 CAPLUS
CN Benzenepropanamide, N-(1,3-benzodioxol-5-ylmethyl)- α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

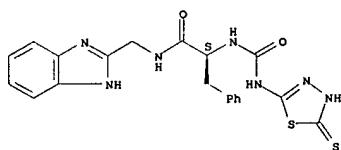


RN 198701-07-4 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-phenylpropyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

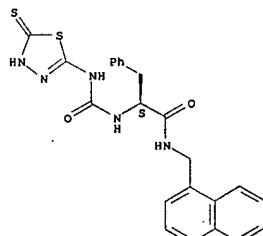


RN 198701-08-5 CAPLUS



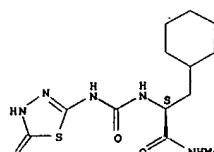
RN 198701-15-4 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(1-naphthalenylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

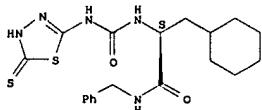
Absolute stereochemistry. Rotation (+).



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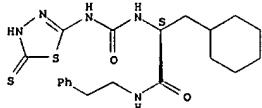
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 198701-18-7 CAPLUS
CN Cyclohexanepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



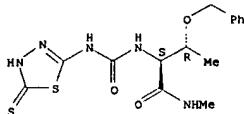
RN 198701-19-8 CAPLUS
CN Cyclohexanepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-phenylethyl)-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



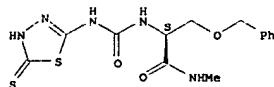
RN 198701-23-4 CAPLUS
CN Butanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



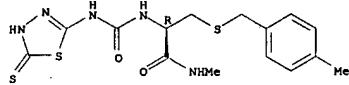
RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry. Rotation (+).



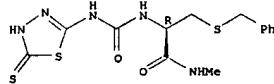
RN 198701-27-8 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-[(4-methylphenyl)methyl]thio)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-29-0 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-[(phenylmethyl)thio]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



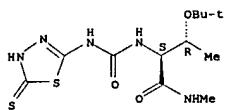
RN 198701-30-3 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

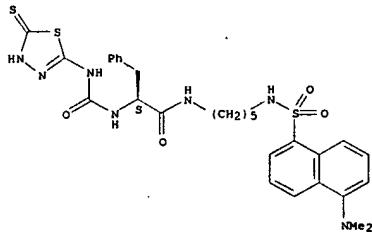
RN 198701-32-5 CAPLUS
CN Butanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



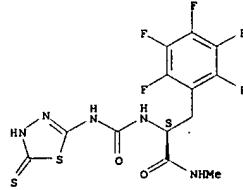
RN 198701-33-6 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-[(5-(dimethylamino)-1-naphthalenyl)sulfonyl]pentyl]-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



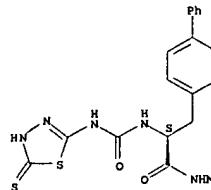
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



RN 198701-36-9 CAPLUS
CN [1,1'-Biphenyl]-4-propanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-38-1 CAPLUS
CN Benzenepropanamide, α -[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-(1,1-dimethylethyl)-N-methyl-, (aS)- (9CI) (CA INDEX NAME)

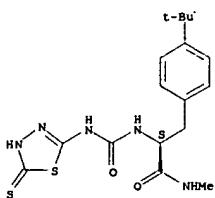
Absolute stereochemistry.

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L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



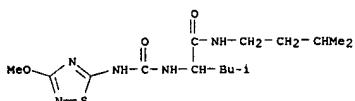
L4 ANSWER 34 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:594710 CAPLUS
 DOCUMENT NUMBER: 127:278195
 TITLE: Preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers
 INVENTOR(S): Karimian, Khashayar; Tam, Tim F.; Desilets, Denis; Lee, Sue; Cappelletto, Tullio; Li, Wanren
 PATENT ASSIGNEE(S): Apotex Inc., Can.
 SOURCE: PCT Int. Appl., 132 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9731893	A1	19970904	WO 1997-CA137	19970226
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MN, MM, MO, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2247899	AA	19970904	CA 1997-2247899	19970226
AU 9717629	A1	19970916	AU 1997-17629	19970226
EP 883606	A1	19981216	EP 1997-903184	19970226
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CN 1216527	A	19990512	CN 1997-193972	19970226
HU 9901789	A2	19990830	HU 1999-1789	19970226
JP 11513994	T2	19991130	JP 1997-530484	19970226
BR 9707745	A	20001024	BR 1997-7745	19970226
RU 2173319	C2	20010910	RU 1998-117846	19970226
SK 282758	B6	20021203	SK 1998-1176	19970226
NO 9803913	A	19981023	NO 1998-3913	19980826
PRIORITY APPLN. INFO.:			US 1996-606705	A 19960226
			US 1997-803651	A 19970221
			WO 1997-CA137	W 19970226

OTHER SOURCE(S): MARPAT 127:278195
 IT 196412-14-3P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as
 thiol
 scavengers)
 RN 196412-14-3 CAPLUS
 CN Pentanamide,
 2-{[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl}amino]-4-
 methyl-N-(3-methylbutyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 34 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



L4 ANSWER 35 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:231368 CAPLUS
 DOCUMENT NUMBER: 126:305783
 TITLE: Preparation of endothelin antagonistic peptides
 INVENTOR(S): Fujita, Kagari; Thara, Masaki; Ikemoto, Fumihiko;
 Yano, Mitsuo; Nishikibe, Masaru; Ishikawa, Kiyofumi;
 Fukami, Takehiro; Hayama, Takeshi; Niizuma, Kenji;
 Nagase, Toshiro; Mase, Toshiaki
 Banyu Pharmaceutical Co., Ltd., Japan
 SOURCE: U.S., 46 pp., Cont.-in-part of U.S. Ser. No. 884,642,
 abandoned
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5614498	A	19970325	US 1992-945414	19920916
KR 230630	B1	19991115	KR 1992-23363	19921204
US 5470833	A	19951128	US 1994-213829	19940314
US 5444152	A	19950822	US 1994-214679	19940321
US 5496928	A	19960305	US 1994-230534	19940420
US 5691315	A	19971125	US 1995-494818	19950626
PRIORITY APPLN. INFO.:			JP 1990-149105	A 19900607
			US 1991-712095	B3 19910607
			JP 1991-347670	A 19911204
			JP 1991-353738	A 19911218
			US 1992-884642	B2 19920518
			JP 1992-234207	A 19920810
			US 1992-884189	B1 19920518
			US 1992-945414	A2 19920916
			US 1992-981424	B1 19921125
			US 1994-213829	A3 19940314

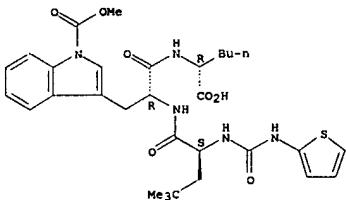
OTHER SOURCE(S): MARPAT 126:305783
 IT 158740-02-4P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of endothelin antagonistic peptides)
 RN 158740-02-4 CAPLUS
 CN D-Norleucine, N-[1-(methoxycarbonyl)-N-(4-methyl-N-(2-thienylamino)carbonyl)-L-leucyl]-D-tryptophyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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L4 ANSWER 35 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:656434 CAPLUS
DOCUMENT NUMBER: 125:300690
TITLE: Preparation of conjugates of biologically active compounds with polypyrolycarboxamidonaphthalene derivatives with increased bioavailability.
INVENTOR(S): Mongelli, Nicola; Biasoli, Giovanni; Lombardi Borgia, Andrea; Ciomei, Marina; Pesenti, Enrico; Angelucci, Francesco
PATENT ASSIGNEE(S): Farmacia S.P.A., Italy
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9626950	A1	19960906	WO 1996-EP528	19960208
W: AM, AU, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, AZ RW: AT, BE, CH, DE, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2189358	AA	19960906	CA 1996-2189358	19960208
AU 9648698	A1	19960918	AU 1996-48698	19960208
AU 696470	B2	19980910		
EP 758339	A1	19970219	EP 1996-904024	19960208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CN 1148391	A	19970423	CN 1996-190152	19960208
HU 9603305	A2	19970828	HU 1996-3305	19960208
JP 10504319	T2	19980428	JP 1996-525980	19960208
ZA 9601636	A	19960906	ZA 1996-1636	19960229
FI 9604331	A	19961101	FI 1996-4331	19961028
NO 9604610	A	19961031	NO 1996-4610	19961031
			GB 1995-4065	A 19950301
PRIORITY APPLN. INFO.:				
			WO 1996-EP528	W 19960208

OTHER SOURCE(S): MARPAT 125:300690
IT 182691-77-6P 182692-37-1P 182692-40-6P
182692-41-7P 182692-42-8P 182692-43-9P
182692-44-OP 182692-45-1P 182692-46-2P
182692-47-3P 182692-48-4P 182692-53-1P
182692-54-2P 182807-03-OP, FCE 29378
182807-04-1P, FCE 29603 182968-62-3P, FCE 29142
182968-66-7P, FCE 29604A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPP (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of conjugates of biol. active compds. with increased polypyrolycarboxamidonaphthalene derivs. with increased bioavailability)
RN 182691-77-6 CAPLUS
CN L-Leucinamide, N-[{1-methyl-5-[(4,6,8-trisulfo-1-

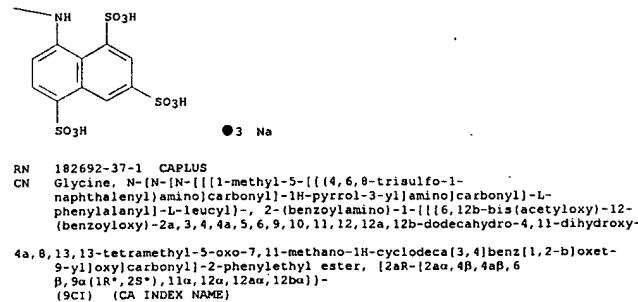
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-N-[2-[[3-((14-((14-((14-(bis(2-chloroethyl)amino)benzoyl)amino)-1-methyl-1H-pyrrol-2-yl)carbonyl)amino)-1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1-methoxy-2-oxoethyl]-, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

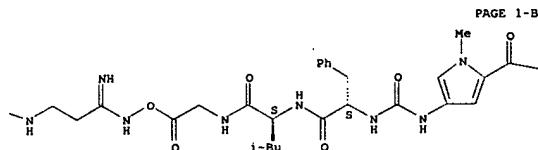
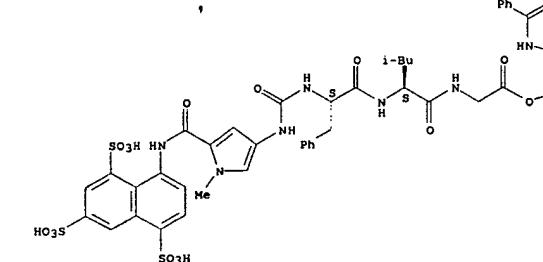
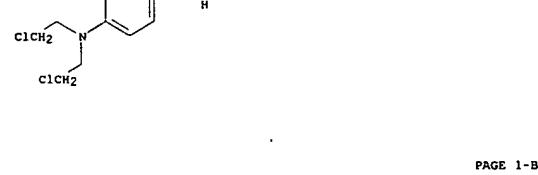
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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Absolute stereochemistry.

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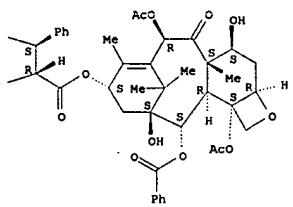
Karen Cheng

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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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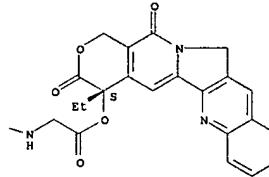
RN 182692-40-6 CAPLUS

CN Glycine, N-[N-[(5-[[5-[(4,6-disulfo-1-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl-, 1-(4-ethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyranos[3',4':6,7]indolizino[1,2-b]quinolin-4-yl)ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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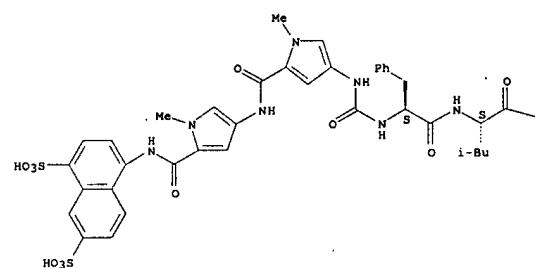


RN 182692-41-7 CAPLUS

CN Glycine, N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl-, 1-(2-oxo-2-phenylethyl) ester (9CI) (CA INDEX NAME)

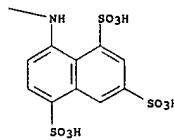
Absolute stereochemistry.

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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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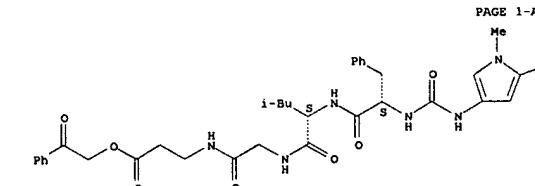


RN 182692-42-8 CAPLUS

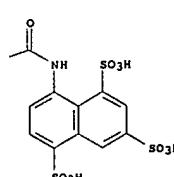
CN β -Alanine, N-[N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]glycyl-, 1-(2-oxo-2-phenylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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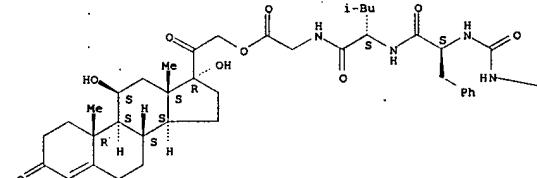
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 182692-43-9 CAPLUS

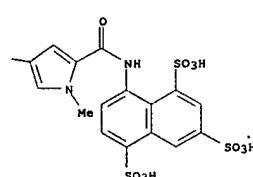
CN Glycine, N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl-, (11R)-11,17-dihydroxy-3,20-dioxopregn-4-en-21-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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RN 182692-44-0 CAPLUS

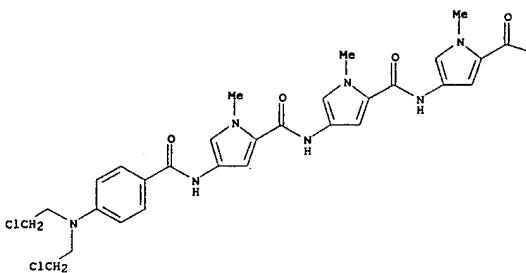
CN L-Leucinamide, N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-naphthalenyl-2-[(3-[(4-[(4-[(4-[(bis(2-chloroethyl)amino)benzoyl]amino)-1-methyl-1H-pyrrol-2-yl]carbonyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl)amino]-1-iminopropyl)amino]oxy]-2-oxoethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

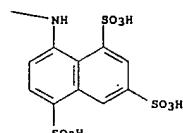
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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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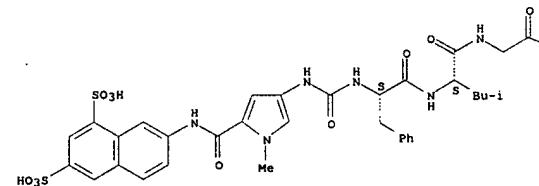
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
PAGE 1-C



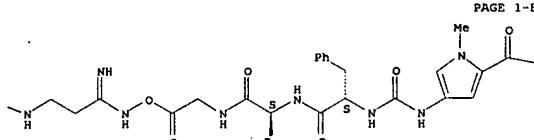
RN 182692-45-1 CAPLUS
CN Glycine, N-[N-[N-[(5-[(6,8-disulfo-2-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

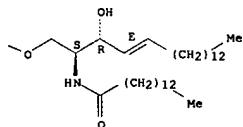
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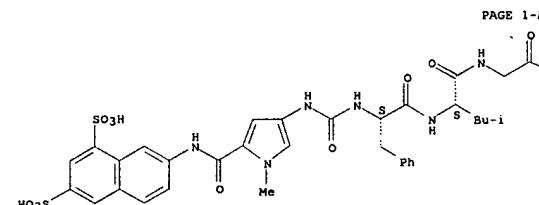
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
PAGE 1-B



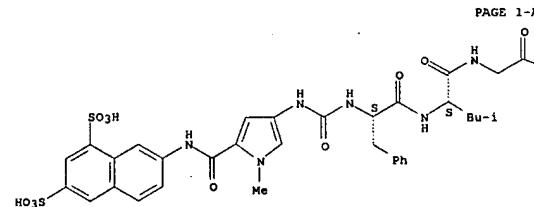
RN 182692-46-2 CAPLUS
CN Glycine, N-[N-[(5-[(6,8-disulfo-2-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[2-(acetylamino)-3-hydroxy-4-octadecenyl] ester, [R-[R*,S*-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

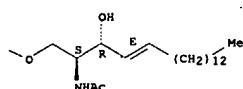
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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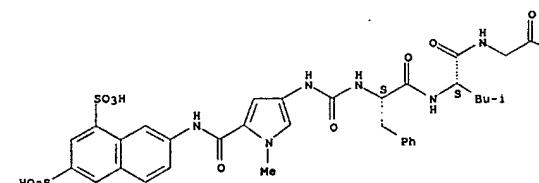
RN 182692-47-3 CAPLUS
CN Glycine, N-[N-[(5-[(6,8-disulfo-2-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxohexyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

RN 182692-48-4 CAPLUS
CN Glycine, N-[N-[(5-[(6,8-disulfo-2-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxooctadecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

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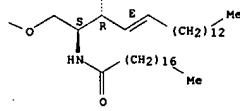


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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



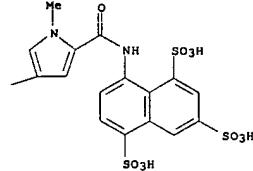
RN 182692-53-1 CAPLUS
CN Glycine, N-[N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-E]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

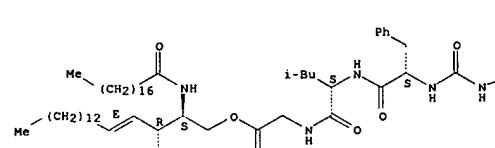
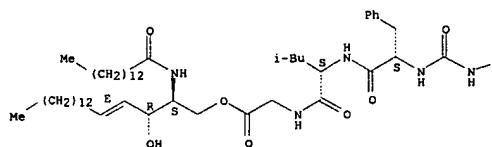
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RN 182692-54-2 CAPLUS
CN Glycine, N-[N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl-, 1-[3-hydroxy-2-[(1-oxooctadecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-E]]- (9CI) (CA INDEX NAME)

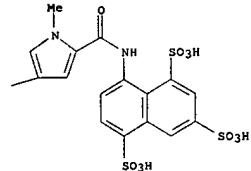
Absolute stereochemistry.
Double bond geometry as shown.

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L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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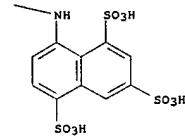


RN 182807-03-0 CAPLUS
CN Glycine, N-[N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl-, 1-(2-oxo-2-phenylethyl) ester, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

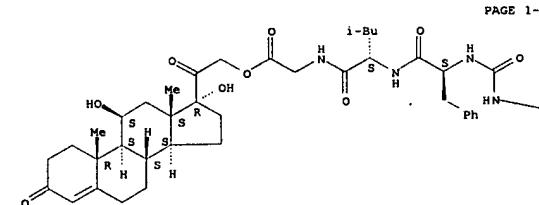
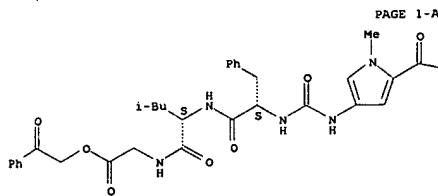
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RN 182807-04-1 CAPLUS
CN Glycine, N-[N-[N-[(1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl-, (11B)-11,17-dihydroxy-3,20-dioxopregn-4-en-21-yl ester, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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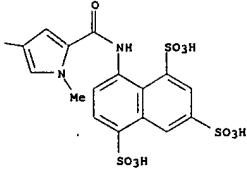


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●3 Na

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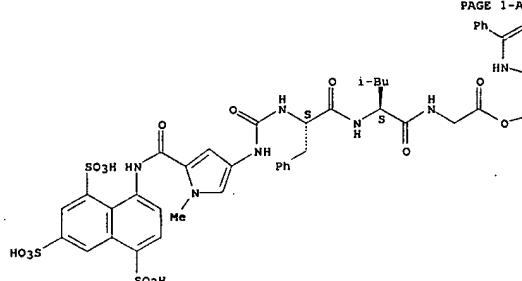


RN 182968-62-3 CAPLUS
CN Glycine, N-[N-[N-[[1-methyl-5-[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[2-(benzoylamino)-1-[(6,12b-bis(acetoxy)-12-

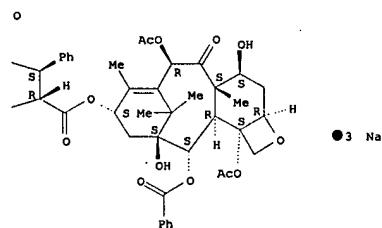
(benzoyloxy)-2a,4a,5,6,9,10,11,12,12a,12b-decahydro-11-hydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl]oxy]carbonyl]-2-phenylethyl ester, trisodium salt, [2aR-(2a,4B,4aB,6B,9a{R*(S*)}],11a,12,13a,12a,12b]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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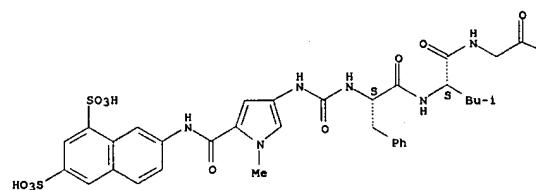
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RN 182968-66-7 CAPLUS
CN Glycine, N-[N-[N-[[5-[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, dipotassium salt, [R-{R*,S*-}(E)]- (9CI) (CA INDEX NAME)

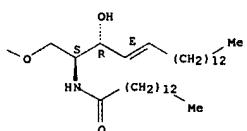
Absolute stereochemistry.
Double bond geometry as shown.

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●2 K

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ACCESSION NUMBER: 1996:106687 CAPLUS

DOCUMENT NUMBER: 124:168256

TITLE: Preparation of fungicidal α - (dioxoimidazolidine)acetanilide compounds.

INVENTOR(S): Patel, Bomi P.; Lavenish, Jerome M.

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 8 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5484802	A	19960116	US 1995-412671	19950329
EP 735028	A1	19961002	EP 1996-302046	19960325
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2172796	AA	19960930	CA 1996-2172796	19960327
PRIORITY APPLN. INFO.:			US 1995-412671	A 19950329

OTHER SOURCE(S): MARPAT 124:168256

IT 173736-35-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Intermediate in preparation of fungicidal α - (dioxoimidazolidine)acetanilide compds.)

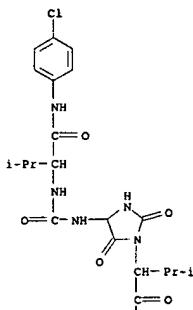
RN 173736-35-1 CAPLUS
CN 1-Imidazolidineacetamide, N-(4-chlorophenyl)-4-[[[1-[(4-chlorophenyl)amino]carbonyl]-2-methylpropyl]amino]carbonyl]- α -(1-methylethyl)-2,5-dioxo- (9CI) (CA INDEX NAME)

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L4 ANSWER 37 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

PAGE 1-A



L4 ANSWER 38 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:73848 CAPLUS

DOCUMENT NUMBER: 124:193276

TITLE: Azole Endothelin Antagonists. 2. Structure-Activity Studies

AUTHOR(S): von Geldern, Thomas W.; Kester, Jeffrey A.; Bal, Radhika; Wu-Wong, Jinshyun R.; Chiou, William; Dixon, Douglas B.; Ogenroth, Terry J.

CORPORATE SOURCE: Pharmaceutical Products Research, Abbott Laboratories,

Abbott Park, IL, 60064, USA

SOURCE: Journal of Medicinal Chemistry (1996), 39(4), 968-81

PUBLISHER: CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: American Chemical Society

LANGUAGE: Journal

OTHER SOURCE(S): English

IT 168468-70-OP CASREACT 124:193276

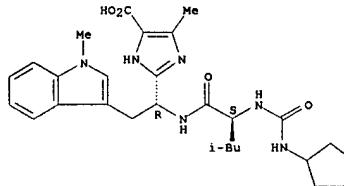
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)

(Preparation) (preparation of azole peptide endothelin antagonists in relation to structure)

RN 168468-70-0 CAPLUS

CN 1H-Imidazole-4-carboxylic acid, 2-[1-[(2-[(cyclopentylamino)carbonyl]amino)-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 168469-88-3P

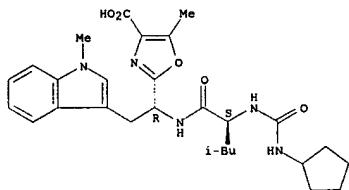
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process) (preparation of azole peptide endothelin antagonists in relation to structure)

L4 ANSWER 38 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 168469-88-3 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[1-[(2-[(cyclopentylamino)carbonyl]amino)-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 39 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:994448 CAPLUS

DOCUMENT NUMBER: 124:56739

TITLE: Preparation of azapeptides as neuropeptide A antagonists.

AUTHOR(S): Nakashima, Yoshiharu; Mizuka, Michio; Higashide, Yasushi; Yamaura, Tetsuaki; Ikawa, Hiroshi

PATENT ASSIGNEE(S): Fujirebio Inc., Japan

SOURCE: Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 672678	A1	19950920	EP 1995-103948	19950317
EP 672678	B1	20001025		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
JP 08003189	A2	19960109	JP 1995-58449	19950317
JP 3409494	B2	20030526		
US 5837687	A	19981117	US 1995-406053	19950317
AT 197157	E	20001115	AT 1995-103948	19950317
US 5965538	A	19991012	US 1998-138656	19980824
PRIORITY APPLN. INFO.:			JP 1994-47206	A 19940317
			JP 1994-80547	A 19940419
			US 1995-406053	A3 19950317

OTHER SOURCE(S): MARPAT 124:56739

IT 172081-10-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of azapeptides as neuropeptide A antagonists)

RN 172081-10-6 CAPLUS

CN L-Tryptophan, N-[N2-[(2-[(phenylmethoxy)ethyl]amino)carbonyl]-2-(phenylmethyl)hydrazide (9CI) (CA INDEX NAME)

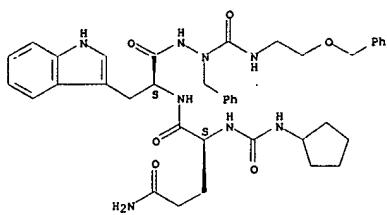
Absolute stereochemistry. Rotation (-).

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L4 ANSWER 39 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:828329 CAPLUS

DOCUMENT NUMBER: 123:257412

TITLE: Preparation of

[(aminocarbonyl)leucylamino]indolyethylazolecarboxylates and related compounds as

endothelin

antagonists.

INVENTOR(S): Vongeldeern, Thomas W.; Kester, Jeffrey A.; Rosenberg, Saul H.; Winn, Martin; Hutchins, Charles W.

PATENT ASSIGNEE(S): Abbott Laboratories, USA

SOURCE: PCT Int. Appl., 193 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9508550	A1	19950330	WO 1994-US10049	19940907
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1993-126822	A 19930924
			US 1994-295441	A 19940829

OTHER SOURCE(S): MARPAT 123:257412

IT 168469-71-1P 168469-89-4P

RL: BAC (Biological activity or effector, except adverse); BSU

(Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

Biol (Biological study); PREP (Preparation); USES (Uses)

(preparation of

[(aminocarbonyl)leucylamino]indolyethylazolecarboxylates

and related compds. as endothelin antagonists)

RN 168469-71-1 CAPLUS

CN 1H-Imidazole-4-carboxylic acid,

2-[1-[(2-[(cyclopentylamino)carbonyl]aminol-

o)-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-,

[S-(R*,S*)]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

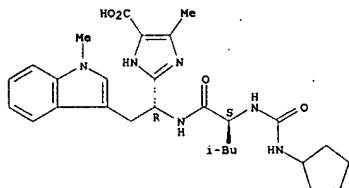
CRN 168469-70-0

CMF C28 H38 N6 O4

Absolute stereochemistry.

L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

CRN 76-05-1

CMF C2 H F3 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

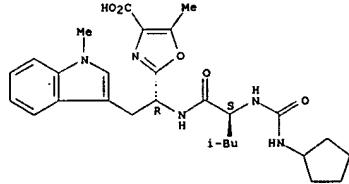


RN 168469-89-4 CAPLUS
CN 4-Oxazolecarboxylic acid, 2-[1-[(2-[(cyclopentylamino)carbonyl]amino]-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 168469-88-3
CMF C28 H37 N5 O5

Absolute stereochemistry.



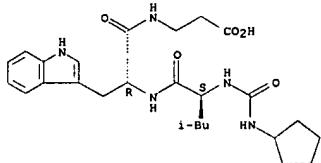
CM 2

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L4 ANSWER 41 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:673214 CAPLUS
 DOCUMENT NUMBER: 123:132001
 TITLE: Endothelin receptor antagonists with various subtype-specificity: their discovery and use as pharmacological tools
 AUTHOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Mase, Toshiaki; Nagase, Toshio; Hayama, Takashi; Niizuma, Kenji; Thara, Masaki; Saeki, Toshihiko; Satoh, Shigeki; et al.
 CORPORATE SOURCE: Tsukuba Research Institute, Banyu Pharmaceutical Company, Ltd., Tsukuba, 300-33, Japan
 SOURCE: European Journal of Medicinal Chemistry (1995), 30(Suppl.), Proceedings of the 13th International Symposium on Medicinal Chemistry, 1994, 371s-83s
 CODEN: EJMCA5; ISSN: 0223-5234
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 141594-94-7
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (structure activity relations of endothelin receptor antagonists with various subtype-specificity)
 RN 141594-94-7 CAPLUS
 CN β -Alanine, N-[N-(N-[(cyclopentylamino)carbonyl]-L-leucyl)-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 160644-59-7 CAPLUS
 CN Acetamide,
 N-[3-[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl-N-methyl-2-[(2-thienylamino)carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

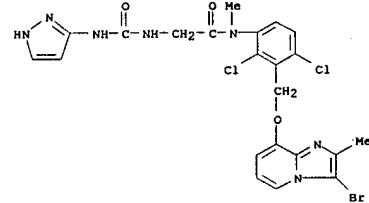
RN 160645-14-7 CAPLUS
 CN Acetamide,
 N-[3-[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl-N-methyl-2-[(1H-pyrazol-3-ylamino)carbonyl]amino]-, (9CI) (CA INDEX NAME)

L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:330513 CAPLUS
 DOCUMENT NUMBER: 122:105879
 TITLE: Preparation of imidazo[1,2-a]pyridines as bradykinin antagonists.
 INVENTOR(S): Oku, Teruo; Kayakiri, Hiroshi; Satoh, Shigeki; Abe, Yoshito; Yuki, Sawada; Tanaka, Hirokazu
 PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 117 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

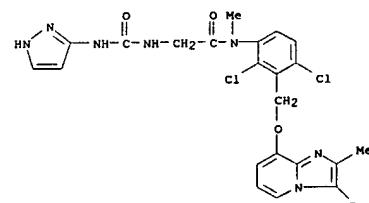
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 596406	A1	19940511	EP 1993-117474	19931028
EP 596406	B1	19981216		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AU 9350242	A1	19940512	AU 1993-50242	19931026
AU 686115	B2	19980205		
ZA 9308011	A	19940609	ZA 1993-8011	19931027
IL 107426	A1	19970713	IL 1993-107426	19931027
AT 174596	E	19990115	AT 1993-117474	19931028
ES 2125294	T3	19990301	ES 1993-117474	19931028
CA 2102137	AA	19940503	CA 1993-2102137	19931101
CN 1089947	A	19940727	CN 1993-119684	19931101
HU 66302	A2	19941128	HU 1993-3119	19931102
JP 07300478	A2	19951114	JP 1993-274643	19931102
JP 2763036	B2	19980611		
US 5574042	A	19961112	US 1995-441786	19950516
US 5750699	A	19980512	US 1996-662198	19960612
GB 1992-22947			GB 1992-22947	A 19921102
PRIORITY APPN. INFO.:				
			GB 1993-4249	A 19930303
			US 1993-142967	B2 19931029
			US 1994-235632	B1 19940429
			US 1995-441786	A3 19950516

OTHER SOURCE(S): MARPAT 122:105879
 IT 160643-98-1P 160644-59-7P 160645-14-7P
 160645-89-6P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as bradykinin antagonist)
 RN 160643-98-1 CAPLUS
 CN Acetamide,
 N-[3-[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl-N-methyl-2-[(2-thienylamino)carbonyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 160645-89-6 CAPLUS
 CN Acetamide,
 N-[3-[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl-N-methyl-2-[(1H-pyrazol-3-ylamino)carbonyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



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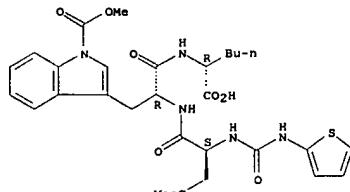
L4 ANSWER 43 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1994:681232 CAPLUS
 DOCUMENT NUMBER: 121:281232
 TITLE: Preparation of peptide endothelin antagonists
 INVENTOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Nagase, Toshio;
 Mase, Toshiaki; Ihara, Masaki; Yano, Mitsuo;
 Nishikibe, Masaru
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
 SOURCE: Can. Pat. Appl., 182 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2084163	AA	19930605	CA 1992-2084163	19921130
CA 2084163	C	20040629		
EP 555537	A2	19930818	EP 1992-120225	19921126
EP 555537	A3	19941102		
EP 555537	B1	20001102		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
AT 197305	E	20001115	AT 1992-120225	19921126
AU 9229838	A1	19930610	AU 1992-29938	19921202
AU 657585	B2	19950316		
JP 06107680	A2	19940419	JP 1992-349905	19921202
JP 3398992	B2	20030421		
KR 230630	B1	19991115	KR 1992-23363	19921204
PRIORITY APPLN. INFO.:			JP 1991-347670	A 19911204
			JP 1991-353738	A 19911218
			JP 1992-234207	A 19920810

OTHER SOURCE(S): MARPAT 121:281232
 IT 158740-02-4P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPM (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of, as endothelin antagonist)
 RN 158740-02-4 CAPLUS
 CN D-Norleucine, N-[1-(methoxycarbonyl)-N-(4-methyl-N-[(2-thienylamino)carbonyl]-L-leucyl)-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 43 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



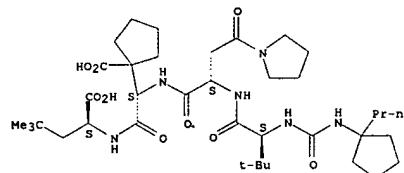
L4 ANSWER 44 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1994:271187 CAPLUS
 DOCUMENT NUMBER: 120:271187
 TITLE: Preparation of antiherpes peptide derivatives having
 a ureido N-terminus
 INVENTOR(S): Deziel, Robert; Moss, Neil; Plante, Raymond
 PATENT ASSIGNEE(S): Bio-Medico/Boehringer Ingelheim Research Inc., Can.
 SOURCE: Eur. Pat. Appl., 27 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 560274	A1	19930915	EP 1993-103734	19930309
EP 560274	B1	19980624		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
AT 167682	E	19980715	AT 1993-103734	19930309
ZA 9301746	A	19931006	ZA 1993-1746	19930311
HU 6385	A2	19931028	HU 1993-697	19930311
JP 06041189	A2	19940215	JP 1993-49767	19930311
CA 2092652	AA	19930913	CA 1993-2092652	19930312
CA 2092652	C	20010724		
AU 9335162	A1	19930916	AU 1993-35162	19930312
AU 665059	B2	19951214		
CN 1096299	A	19941214	CN 1993-106796	19930608
US 5830864	A	19981103	US 1995-502901	19950717
PRIORITY APPLN. INFO.:			US 1992-649922	A 19920312
			US 1993-25682	B1 19930303

OTHER SOURCE(S): MARPAT 120:271187
 IT 154092-75-8P 154093-00-2P
 RL: SPM (Synthetic preparation); PREP (Preparation)
 (preparation of, as virucide for treating herpes infections)
 RN 154092-75-8 CAPLUS
 CN L-Leucine,
 3-methyl-N-[(1-propylcyclopentyl)amino]carbonyl-L-valyl-4-oxo-
 4-(1-pyrrolidinyl)-L-2-aminobutanoyl-L-2-(1-carboxycyclopentyl)glycyl-4-
 methyl- (9CI) (CA INDEX NAME)

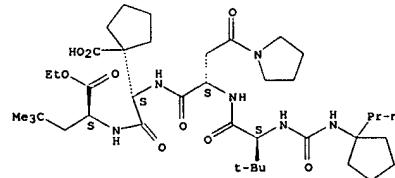
Absolute stereochemistry.

L4 ANSWER 44 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 154093-00-2 CAPLUS
 CN L-Leucine,
 3-methyl-N-[(1-propylcyclopentyl)amino]carbonyl-L-valyl-4-oxo-
 4-(1-pyrrolidinyl)-L-2-aminobutanoyl-L-2-(1-carboxycyclopentyl)glycyl-4-
 methyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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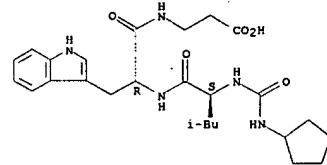
L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1992:256053 CAPLUS
 DOCUMENT NUMBER: 116:256053
 TITLE: Preparation of endothelin antagonistic peptide derivatives
 INVENTOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Hayama, Takashi;
 Niizuma, Kenji; Nagase, Toshio; Mase, Toshiaki; Fujita, Kegari; Ihara, Masaki; Ikemoto, Fumihiko; Yano, Mitsuo
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 121 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 460679	A2	19911211	EP 1991-109313	19910606
EP 460679	A3	19921119		
EP 460679	B1	19981028		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE CA 2043741 CB 2043741 JP 05178891 JP 3127488 AU 9178182 AU 632695 AU 172741 US 5470833 US 5691315		RA 19911208 C 20030401 A2 19930720 B2 20010122 A1 19911212 B2 19930107 E 19981115 A 19951128 A 19971125	CA 1991-2043741 JP 1991-160023 AU 1991-78182 US 1995-494818	19910603 19910603 19910603 19910605 19910606 1994-213829 19950626
PRIORITY APPLN. INFO.:		JP 1990-149105	A 19900607	
		US 1991-712095	B3 19910607	
		US 1992-884189	B1 19920518	
		US 1994-213829	A3 19940314	

OTHER SOURCE(S): MARPAT 116:256053
 IT 141594-94-7P 141595-23-5P 141595-42-8P
 RL: BPC 'Biological activity or effector, except adverse'; BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); (preparation of, as endothelin antagonist)
 RN 141594-94-7 CAPLUS
 CN β -Alanine, N-[N-[N-[(cyclopentylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

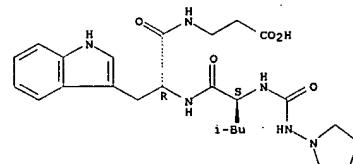
Absolute stereochemistry.

L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



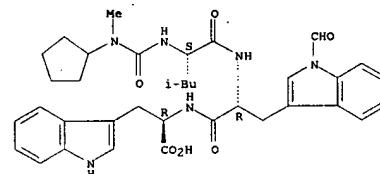
RN 141595-23-5 CAPLUS
 CN β -Alanine, N-[N-[N-[(l-pyrrolidinylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 141595-42-8 CAPLUS
 CN D-Tryptophan, N-[N-[N-[(cyclopentylmethylamino)carbonyl]-L-leucyl]-1-formyl-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:633678 CAPLUS

DOCUMENT NUMBER: 111:233678

TITLE: Preparation and testing of tripeptide renin inhibitors

INVENTOR(S): Greenlee, William J.; Parsons, William H.

PATENT ASSIGNEE(S): Merck and Co., Inc., USA

SOURCE: Eur. Pat. Appl., 41 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 314239	A2	19890503	EP 1988-202334	19881019
EP 314239	A3	19901227		
R: CH, DE, FR, GB, IT, LI, NL JP 01149798	A2	19890612	JP 1988-272852	19881028
PRIORITY APPLN. INFO.:			US 1987-113681	A 19871028

OTHER SOURCE(S): MARPAT 111:233678

IT 123600-04-4P 123600-05-5P 123600-06-6P

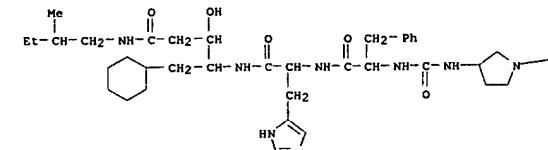
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as renin-inhibitory antihypertensive)

RN 123600-04-4 CAPLUS

CN L-threo-Pentonamide, 5-cyclohexyl-2,4,5-trideoxy-N-(2-methylbutyl)-4-[[N-[(1-(2-methylpropyl)-3-pyrrolidinyl)amino]carbonyl]-L-phenylalanyl]-L-histidyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

--Bu-i

RN 123600-05-5 CAPLUS

CN L-threo-Pentonamide, 5-cyclohexyl-2,4,5-trideoxy-4-[[N-[(1-(2-

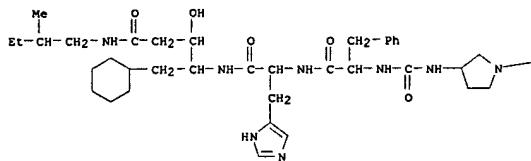
Karen Cheng

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14 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
hydroxyethyl)-3-pyrrolidinyl]amino]carbonyl]-L-phenylalananyl-L-histidyl]amino)-N-(2-methylbutyl)- (9CI) (CA INDEX NAME)

14 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
PAGE 1-B

PAGE 1-A



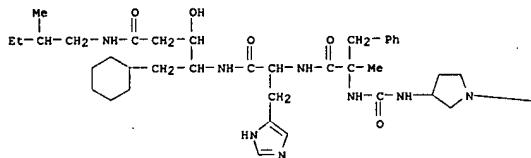
→ CH₂-CO₂H

PAGE 1-B

→ CH₂-CH₂-OH

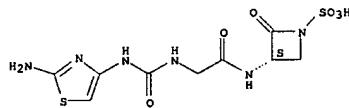
RN 123600-06-6 CAPLUS
CN L-threo-Pentonamide, 4-[(N-[N-[(1-(carboxymethyl)-3-pyrrolidinyl]amino]carbonyl)-2-methylphenylalananyl-L-histidyl]amino)-5-cyclohexyl-2,4,5-trideox-N-(2-methylbutyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



14 ANSWER 47 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1983:594682 CAPLUS
DOCUMENT NUMBER: 98:194682
TITLE: Synthesis and antibacterial activity of 3-acylamino-2-azetidinone-1-sulfonic acid derivatives
AUTHOR(S): Matsuo, Taisuke; Sugawara, Tohru; Masuya, Hirotomo; Kawano, Yasuhiko; Noguchi, Moriyoshi; Ochiai, Michihiko
CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1983), 31(6), 1874-84
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 99:194682
IT 87599-85-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 87599-85-7 CAPLUS
CN 1-Azetidinesulfonic acid, 3-[(1-(2-amino-4-thiazoyl)amino)carbonyl]amino
[acetyl]amino]-2-oxo-, monosodium salt, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

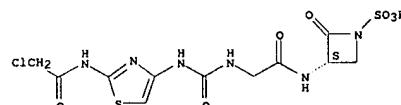


● Na

IT 87599-84-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with methylidithiocarbamate)
RN 87599-84-6 CAPLUS
CN 1-Azetidinesulfonic acid, 3-[(1-(chloroacetyl)amino)-4-thiazoyl]amino]-4-thiazoyl]amino)carbonyl]amino)-2-oxo-, monosodium salt,
(S)- (9CI) (CA INDEX NAME)

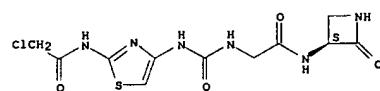
Absolute stereochemistry.

14 ANSWER 47 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

IT 87599-83-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and sulfonylation of)
RN 87599-83-5 CAPLUS
CN Acetamide,
2-[(1-(2-[(chloroacetyl)amino]-4-thiazoyl)amino)carbonyl]amino)-N-(2-oxo-3-azetidinyl)-, (S)- (9CI) (CA INDEX NAME)
Absolute stereochemistry.



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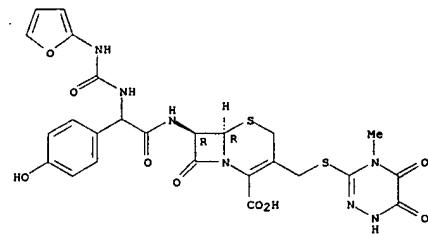
L4 ANSWER 48 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1982:527394 CAPLUS
 DOCUMENT NUMBER: 97:127394
 TITLE: Cephalosporin compounds
 INVENTOR(S): Lunn, William H. W.
 PATENT ASSIGNEE(S): Eli Lilly and Co., USA
 SOURCE: U.S., 16 pp. Cont.-in-part of U.S. Ser. No. 651,083,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4329454	A	19820511	US 1977-814830	19770712
RO 67553	P	19840315	RO 1975-82974	19750725
BE 831787	A1	19760128	BE 1975-1006803	19750728
ZA 7504959	A	19770330	ZA 1975-4959	19750731
ES 439989	A1	19770516	ES 1975-439989	19750802
JP 51146493	A2	19761216	JP 1976-1447	19760101
PRIORITY APPLN. INFO.:			US 1974-494148	A2 19740802
			US 1975-583924	A2 19750610
			US 1976-651083	A2 19760121

OTHER SOURCE(S): CASREACT 97:127394; MARPAT 97:127394
 IT 83031-48-5P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation and bactericidal activity of)
 RN 83031-48-5 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 7-[[((2-furanylamino)carbonyl)amino](4-hydroxyphenyl)acetyl]amino]-8-oxo-
 3-[[((1,4,5,6-tetrahydro-4-methyl-5,6-dioxo-1,2,4-triazin-3-yl)thio)methyl]-
 , [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

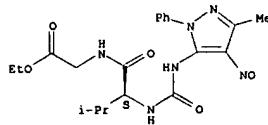
Absolute stereochemistry.

L4 ANSWER 48 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



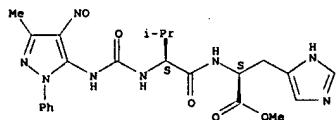
L4 ANSWER 49 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1982:142748 CAPLUS
 DOCUMENT NUMBER: 96:142748
 TITLE: 4-Nitroso-5-aminopyrazole derivatives as antifungal compounds
 AUTHOR(S): Giori, P.; Mazzotta, D.; Vertuani, G.; Guarneri, M.; Pancaldi, D.; Brunelli, A.
 CORPORATE SOURCE: Ist. Chim. Farm. Tossicolog., Univ. Studi, Ferrara, Italy
 SOURCE: Farmaco, Edizione Scientifica (1981), 36(12), 1019-28
 DOCUMENT TYPE: Journal
 LANGUAGE: Italian
 IT 81198-51-8P 81198-52-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 81198-51-8 CAPLUS
 CN Glycine, N-[N-[(3-methyl-4-nitroso-1-phenyl-1H-pyrazol-5-yl)amino]carbonyl]-L-valyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 81198-52-9 CAPLUS
 CN L-Histidine, N-[N-[(3-methyl-4-nitroso-1-phenyl-1H-pyrazol-5-yl)amino]carbonyl]-L-valyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

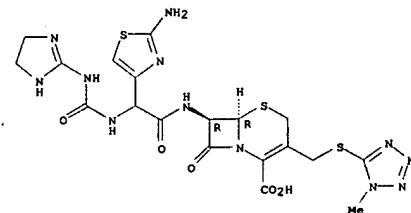


L4 ANSWER 50 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1981:425095 CAPLUS
 DOCUMENT NUMBER: 95:25095
 TITLE: Cephalosporin derivatives for inhibiting bacteria strains
 PATENT ASSIGNEE(S): Daiichi Seiyaku Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55160783	A2	19801213	JP 1979-68570	19790601
JP 01021153	B4	19890419	JP 1979-68570	A 19790601

PRIORITY APPLN. INFO.:
 IT 77523-70-7P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation and bactericidal activity of)
 RN 77523-70-7 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 7-[[((2-amino-4-thiazolyl)[(4,5-dihydro-1H-imidazol-2-yl)amino]carbonyl]amino]-3-[[((1-methyl-1H-tetrazol-5-yl)thio)methyl]-8-oxo-, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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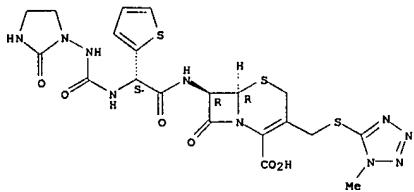
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L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1979:38944 CAPLUS
 DOCUMENT NUMBER: 90:38944
 TITLE: [(Imidazolidinyl amino)carbonyl]amino)acetyl cephalosporin derivatives
 INVENTOR(S): Breuer, Hermann; Treuner, Uwe D.
 PATENT ASSIGNEE(S): E. R. Squibb and Sons, Inc., USA
 SOURCE: U.S., 18 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4099001	A	19780704	US 1977-777873	19770315
PRIORITY APPLN. INFO.:			US 1977-777873	A 19770315

OTHER SOURCE(S): MARPAT 90:38944
 IT 68637-37-6P 68637-38-7P 68637-41-2P
 68693-04-9P 68845-56-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 68637-37-6 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(1-methyl-1H-tetrazol-5-yl)thio)methyl]-8-oxo-7-[([(2-oxo-1-
 imidazolidinyl)amino]carbonyl]amino)-2-thienylacetyl]amino)-,
 [6R-[6a,7β(S*)]]- (9CI) (CA INDEX NAME)

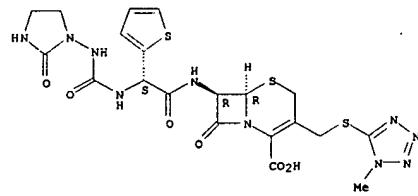
Absolute stereochemistry.



RN 68637-38-7 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(1-methyl-1H-tetrazol-5-yl)thio)methyl]-8-oxo-7-[([(2-oxo-1-
 imidazolidinyl)amino]carbonyl]amino)-2-thienylacetyl]amino)-, monosodium
 salt, [6R-[6a,7β(S*)]]- (9CI) (CA INDEX NAME)

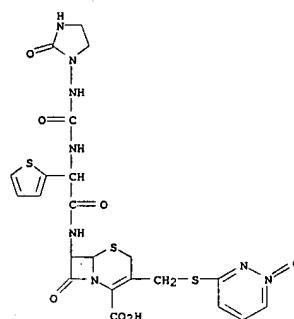
Absolute stereochemistry.

L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

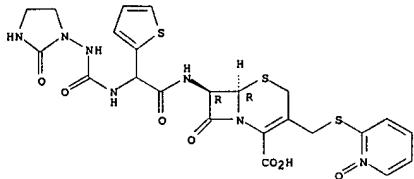
RN 68637-41-2 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(1-oxido-3-pyridazinyl)thio)methyl]-8-oxo-7-[([(2-oxo-1-
 imidazolidinyl)amino]carbonyl]amino)-2-thienylacetyl]amino)-,
 [6R-[6a,7β(S*)]]- (9CI) (CA INDEX NAME)



RN 68693-04-9 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

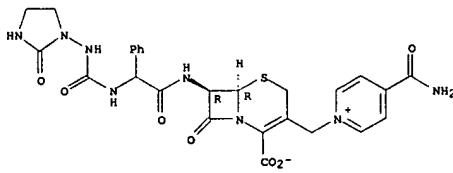
L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 IT 68637-38-7 CAPLUS
 3-[(1-oxido-2-pyridinyl)thio)methyl]-8-oxo-7-[([(2-oxo-1-
 imidazolidinyl)amino]carbonyl]amino)-2-thienylacetyl]amino)-,
 [6R-(6a,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 68845-56-7 CAPLUS
 CN Pyridinium, 4-(aminocarbonyl)-1-[(2-carboxy-8-oxo-7-[([(2-oxo-1-
 imidazolidinyl)amino]carbonyl]amino)phenylacetyl]amino)-5-thia-1-
 azabicyclo[4.2.0]oct-2-en-3-yl)methyl]-, inner salt, [6R-
 (6a,7β)]- (9CI) (CA INDEX NAME)

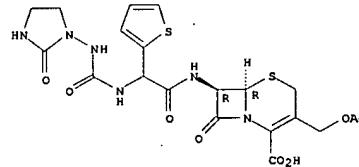
Absolute stereochemistry.



IT 68637-40-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (substitution reaction with 2-mercaptopyridine derivative)
 RN 68637-40-1 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(acetoxy)methyl]-8-oxo-7-[([(2-oxo-1-imidazolidinyl)amino]carbonyl)
 amino)-2-thienylacetyl]amino)-, monosodium salt, [6R-(6a,7β)]-
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.

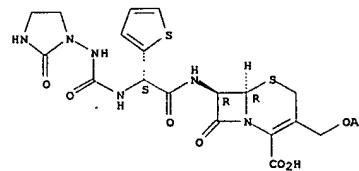
L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

IT 68682-12-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (substitution reaction with 3-mercaptopyridazine derivative)
 RN 68682-12-2 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(acetoxy)methyl]-8-oxo-7-[([(2-oxo-1-imidazolidinyl)amino]carbonyl)
 amino)-2-thienylacetyl]amino)-, monosodium salt, [6R-
 (6a,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

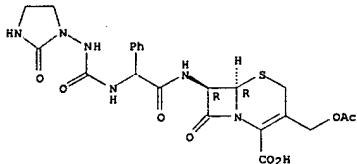


● Na

IT 68845-55-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (substitution reaction with 4-pyridinecarboxamide)
 RN 68845-55-6 CAPLUS
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
 3-[(acetoxy)methyl]-8-oxo-7-[([(2-oxo-1-imidazolidinyl)amino]carbonyl)
 amino)-2-thienylacetyl]amino)-, monosodium salt, [6R-(6a,7β)]-
 (9CI) (CA INDEX NAME)

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L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



● Na

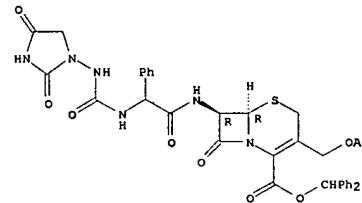
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1978:22963 CAPLUS
DOCUMENT NUMBER: 88:22963
TITLE: 7a-Ureidoacylamido-7a-methoxy- and
-demethoxycephalosporanic acid derivatives
INVENTOR(S): Breuer, Hermann; Treuner, Uwe
PATENT ASSIGNEE(S): Chemische Fabrik von Heyden G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 66 pp.
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2714214	A1	19771013	DE 1977-2714214	19770330
US 4063019	A	19771213	US 1976-671788	19760330
FR 2346356	A1	19771028	FR 1977-9302	19770329
JP 52118493	A2	19771004	JP 1977-36906	19770330
US 4093801	A	19780606	US 1977-819648	19770727
			US 1976-671788	A 19760330

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 88:22963
IT 65031-02-9P 65031-07-4P 65058-93-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and hydrolysis of)
RN 65031-02-9 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
3-[(acetoxy)methyl]-7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]phenylacetetyl]amino]-8-oxo-, diphenylmethyl ester, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

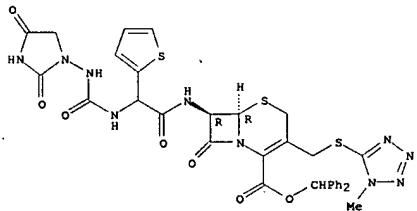
Absolute stereochemistry.



RN 65031-07-4 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

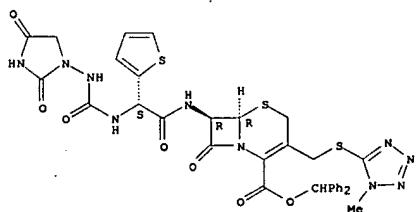
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-thienylacetyl]amino)-3-[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, diphenylmethyl ester, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



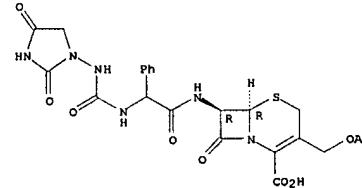
RN 65058-93-7 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-thienylacetyl]amino)-3-[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, diphenylmethyl ester, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 65031-04-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reaction of, with isonicotinamide)
RN 65031-04-1 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
3-[(acetoxy)methyl]-7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]phenylacetetyl]amino]-8-oxo-, monosodium salt, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.

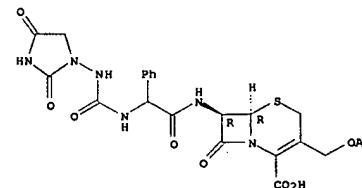


● Na

IT 65031-03-0P 65031-05-2P 65031-06-3P
65031-08-5P 65058-94-8P 65058-95-9P
65058-96-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65031-03-0 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetoxy)methyl]-7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]phenylacetetyl]amino]-8-oxo-, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

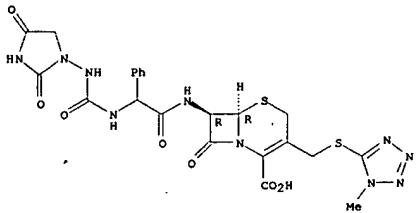


RN 65031-05-2 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]phenylacetetyl]amino)-3-[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, monosodium salt, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

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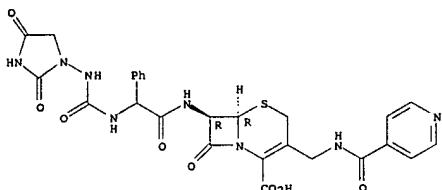
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



● Na

RN 65031-06-3 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]phenylacetyl]amino
]-8-oxo-3-[{(4-pyridinylcarbonyl)amino}methyl]-, [6R-(6a,7B)]-
(9CI) (CA INDEX NAME)

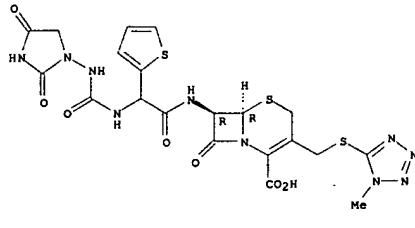
Absolute stereochemistry.



RN 65031-08-5 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-
thienylacetyl]amino]-3-[{(1-methyl-1H-tetrazol-5-yl)thio]methyl}-8-oxo-,
monosodium salt, [6R-(6a,7B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

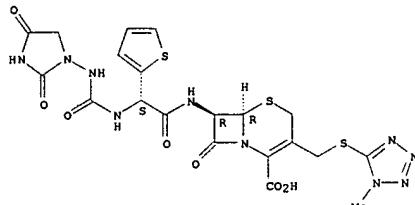
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 65058-94-8 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-
thienylacetyl]amino)-3-[{(1-methyl-1H-tetrazol-5-yl)thio]methyl}-8-oxo-,
monosodium salt, [6R-(6a,7B(S*))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

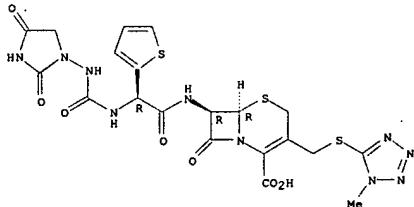


● Na

RN 65058-95-9 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-
thienylacetyl]amino)-3-[{(1-methyl-1H-tetrazol-5-yl)thio]methyl}-8-oxo-,

L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
monosodium salt, [6R-(6a,7B(R*))]- (9CI) (CA INDEX NAME)

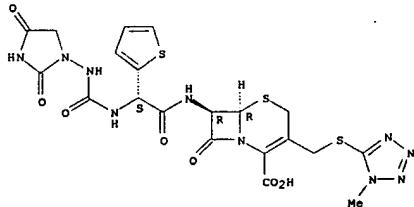
Absolute stereochemistry.



● Na

RN 65058-96-0 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[{[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl}amino]-2-
thienylacetyl]amino)-3-[{(1-methyl-1H-tetrazol-5-yl)thio]methyl}-8-oxo-,
[6R-(6a,7B(S*))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

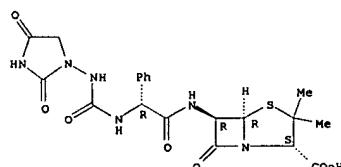
ACCESSION NUMBER: 1977:601521 CAPLUS
DOCUMENT NUMBER: 87:201521
TITLE: [(2,4-Dioxo-1-imidazolidinyl)amino]-
carbonyl]aminolacetylpenicillin derivatives
INVENTOR(S): Breuer, Hermann; Treuner, Uwe D.
PATENT ASSIGNEE(S): E. R. Squibb and Sons, Inc., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4038271	A	19770726	US 1976-740163	19761108
PRIORITY APPLN. INFO.:			US 1976-740163	A 19761108

IT 64420-16-2P 64420-17-3P 64420-21-9P
64420-22-0P 64420-24-2P 64474-48-2P
64474-49-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 64420-16-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2,4-dioxo-1-
imidazolidinyl)amino]carbonyl]amino]-3,3-dimethyl-7-oxo-,
[2S-(2a,5a,6B(S*))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 64420-17-3 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(2,4-dioxo-1-
imidazolidinyl)amino]carbonyl]amino]-3,3-dimethyl-7-oxo-,
monosodium salt, [2S-(2a,5a,6B(S*))]- (9CI) (CA INDEX
NAME)

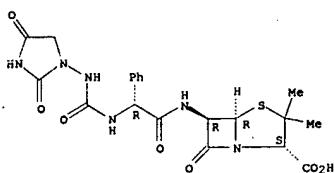
Absolute stereochemistry.

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L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

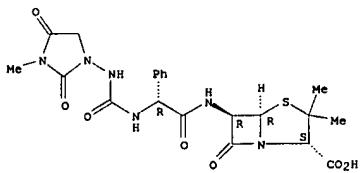
(Continued)



● Na

RN 64420-21-9 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[(1-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl[amino]phenylacetyl-1-aminol-7-oxo-, [2S-(2a,5a,6B(S+))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

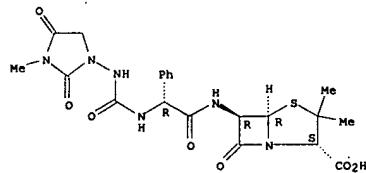


RN 64420-22-0 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[(1-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl[amino]phenylacetyl-1-aminol-7-oxo-, monosodium salt, [2S-(2a,5a,6B(S+))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

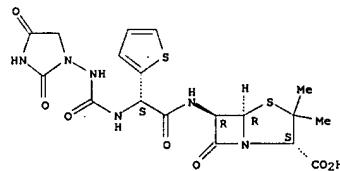
(Continued)



● Na

RN 64420-24-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(1-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl[amino]-2-thienylacetyl[amino]-3,3-dimethyl-7-oxo-, [2S-(2a,5a,6B(R+))]- (9CI) (CA INDEX NAME)

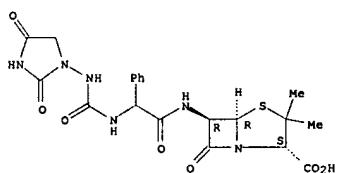
Absolute stereochemistry.



RN 64474-48-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(1-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl[amino]phenylacetyl[amino]-3,3-dimethyl-7-oxo-, [2S-(2a,5a,6B)]- (9CI) (CA INDEX NAME)

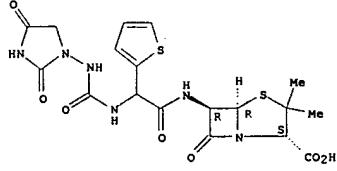
Absolute stereochemistry.

L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 64474-49-3 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(1-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl[amino]-2-thienylacetyl[amino]-3,3-dimethyl-7-oxo-, [2S-(2a,5a,6B)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 54 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1977155639 CAPLUS

DOCUMENT NUMBER: 06155639

TITLE: Penicillanic acid derivatives

INVENTOR(S): Yamada, Hirotada; Okano, Shigeru; Komatsu, Yoshiaki; Katsura, Totozo; Eda, Yesuko

PATENT ASSIGNEE(S): Sunitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Tokkyo Koho, 4 pp.

CODEN: JAXXAD

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

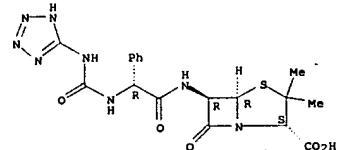
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51021997	B4	19760706	JP 1970-129971	19701228
PRIORITY APPLN. INFO.:			JP 1970-129971	A 19701228

IT 52482-27-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)

RN 52482-27-6 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenyl)(1H-tetrazol-5-ylamino)carbonyl]amino]acetyl[amino]-, monopotassium salt, [2S-(2a,5a,6B(S+))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● K

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L4 ANSWER 55 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

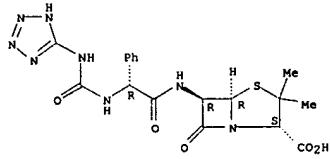
ACCESSION NUMBER: 1976:508627 CAPLUS
 DOCUMENT NUMBER: 85:108627
 TITLE: Penicillenic acid derivatives
 INVENTOR(S): Yamada, Hirotada; Okano, Shigeru; Komatsu, Toshiaki;
 Kataura, Toyozo; Eda, Yasuko
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Tokkyo Koho, 5 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50037678	B4	19751204	JP 1970-129972	19701228
JP 1970-129972 A 19701228				

PRIORITY APPLN. INFO.:

IT 60414-22-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 60414-22-4 CAPLUS
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid,
 3,3-dimethyl-7-oxo-6-
 [(phenyl|[1H-tetrazol-5-ylamino]carbonylamino]acetyl]amino)-,
 [2S-[2a,5a,6B(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



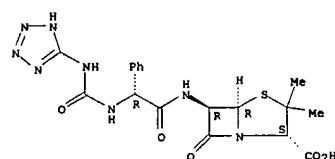
L4 ANSWER 56 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1974:403928 CAPLUS
 DOCUMENT NUMBER: 81:3928
 TITLE: α -Acylamidobenzylpenicillins
 INVENTOR(S): Kawahara, Norio; Murakami, Masuo; Isaka, Ichiro;
 Murakami, Yukiyasu
 PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48097893	A2	19731213	JP 1972-29515	19720324
JP 1972-29515 A 19720324				

IT 52482-27-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 52482-27-6 CAPLUS
 CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid,
 3,3-dimethyl-7-oxo-6-
 [(phenyl|[1H-tetrazol-5-ylamino]carbonylamino]acetyl]amino)-,
 monopotassium salt, [2S-[2a,5a,6B(S*)]]- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



● K

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